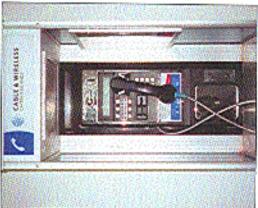
# oridly Payphones



stoffed down the phone's throat. Reople in India Delhi, India, That's actually a water bottle take a dim vicw of inadequate psyphones.

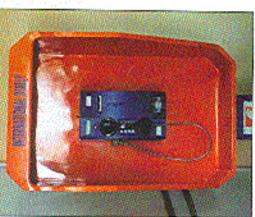




land, this phone seems overly modern for such a Ceyman Islands. From the Grand Cayman Is-

Photo by Paul Benford

payphone photos that we've compiled! http://www.2600.com Come and visit our website and see our vast array of



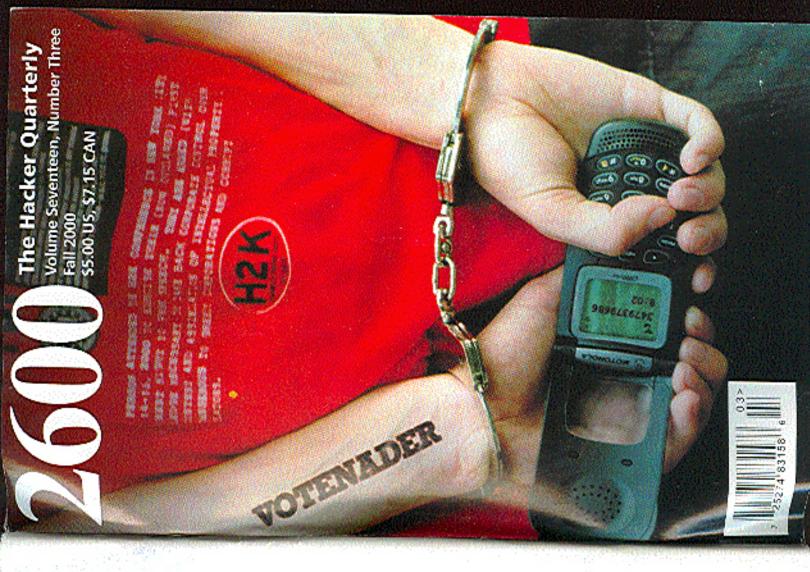
Lahure, Pakistan. This phone supposedly can go anywhere.

## Photo by Torn Mele



Jerusalem, Israel, Phones do not misbelhave here. Not with that kind of enforcement.

Photo by M. Cameron Newell



lar movie may buy or rent a videotape, play it, and to do this with a DVD - his apparent solution is to dealing with the fact that it's virtually Impossible "Anyone wishing to make lawful use of a particueven copy all or part of it with readily available equipment." - Judge Lewis A. Kaplan's way of just go back and use old technology that Isn't subject to insane laws.

Emmanuel Goldstein Estinor-la-Chief

layout and Besign ShapeShiner

Cover Concept and Photo Bavid A. Buchwald

The Chopping Block Inc. Cover Design

Office Manager

Silent Switchman, Scott Skinner, Mr. Opsetter Writers: Bernie S., Billst, Blue Whele, Meam Chomski, Eric Corfey, Dr. Delam, Berneral, Nathan Dorfman, John Drake, Paul Estey, Mr. French, Thomas Icom, Javanian, Joesso, Kingpin, Mitt, Kevin Mitnick The Prophet, David Ruderman, Serat

Oversens - \$26 individual,

Webmaster Macki

Network Operations: CSS

Still Mare Video Production: Parkchap

Broadcast Coordinators: Juinta Cnote, Shiftbook, Silicon, AbsoluteO, Brimadman, Bluknight lonarch, FearFree, Mennontte, Sardonic

BC Adania: ress

Stant Sand, Mercury Rev. inspirational Mosic Jean Michel Jarre, Linton Ovesi Johnson, Chappaquiddick Skyline,

Shout Bury: There's no way we can give adequate credit to the scores of people who helped make HZK the memorable event it turned out to be, nor can we properly accurately and also those who stood outside the courbouse and also those who stood outside the courbouse and demonstrated, and we can never accurately thank beyevone who helped make four decumentary ("Freedom Downtime") happen.
And while way to at it, we have to recognize the bravery of the folks who stood up at RNC in Philadelphia and DNC in Los Angeles, All of these people have muneuse inspiration FOR LETTERS AND ARTICLE

2600(188N 0749-3851) is published iecond class postage permit paid at Strong's Lane, Setauket, NY 11733 etauket, New York warterly by 2600 Enterprises Inc.

OSTMASTER: Send address

600, P.O. Box 752, Middle Island, NY 1953-0752.

\$18 individual, \$50 corporate (U.S. funds). Copyright (c) 2000 2600 Enterprises, Inc. fearly subscription: U.S. and Canada -

Back issues available for 1984-1999 at on at \$5 each, \$6.25 each overseas. 520 per year, \$25 per year overseas. ndividual issues available from 1988

SUBSCRIPTION ADDRESS ALL

subs@2600.com). Middle Island, NY 11953-0752 ORRESPONDENCE TO: 900 Subscription Dept., P.O. Box 752,

2600 FAX Line: 631-474-2677 2600 Office Line: 631-751-2600 2600 Editorial Dept., P.O. Box 99. articles@2600.com) SUBMISSIONS, WRITE TO: letters@2600.com, Middle Island, NY 11953-0099

6 10 13 14 16 18 20 20 20 20 20 20 40 40 40 40 40 40 50 50 50 50 50 50 50 50 50 50 50 50 50	How to Hack Cybertime Software Target Advertising An Introduction to Sprint ION The GeoSpatial Revolution Anomaly Detection Systems Hunting the Paper Carnivore The Making of a Pseudo Felon Flaws in Outsourced ECommerce Systems Flaws in Outsourced ECommerce Systems Letters Finding a Target Using DNS Lookups Another Way to Defeat URL Filters Accessing Federal Court Records Zone Scanning DeCSS in Words Build a Car Computer Marketplace Meetings	A Summer of Trials
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------

# A Summer of Trials

One thing the summer of 2000 will not be remerabared for is dullness. We've never had so many different things come regetter at more or less the same rime. Yet all of these different things were sounthow related and extremely relievant to where we are headed.

Many see it as a bad thing that the DeCSS trial dominated our time as much as it did. Unformniately, there was never a choice, Lake a danger outs discusse, it had to be fought with every ounce of our strength. Thanks to the support of the EFF and a terrific legal delense team, we had the best chance possible of getting your side out.

It seemed obvious from the beginning that the court was sympathetic to the case of the MPAA and this was certainly borne out in the decision. But the reaction of the many thousands who have been following this case one way or another around the globe only confirmed that we succeeded in praking the points we needed to make. Anyone with a degree of knowledge in either technical issues or the value of frodom of speech scens to get if right away. Why then did our court system fail to?

them over the net. It was demonstrated time copy unencopped DVD files and then transfer tune and bandwidth and that it would ultiment was that this would also allow people to to be played an alternative platforms such as posting the DeCSS code which allows DVDs and again that such agrivity would take massive Linux. The main thrust of the MPAA's arguwas granted a permanent injunction against our may have missed it in the media, the MPAA For those without access to the net and who mass graves that corporate America is digging assured that someone is going to fall into the into an us versus them seemano. And it's all but eral communities : hackers, open source, indeseen a very definite change in tone within sev-Sach hosting than anything else and we've celly, doctsions such as this do more to foster pendent artists, activists - if a rapidly turning and bringing down corporate America: frontinterested in causing problems, placing films comes down to perception. The judge bought We can analyze it foreser. But it basically into the notion that backers are evil and only

> of circumpening these many controls and rehe illegid to even figure out on your own ways into effect as scheduled in line October, it will this lawsuit and the many that will follow every time you want to view it. All of this is prised when you have to pay a tee to record force consumers to sit through commercials material they've purchased, and the ability to one geographical region to another a the climicoding (preventing the viewing of DVDs from tip of the scabery. If the rest of the DMCA goes possible), but increasingly likely to be only the Copyright Act (the 1998 legislation that made not only possible under the Digital Millennium And, with the advent of HDTV, don't be surof controls introduced on audio recordings will stop there. You will soon see the same kind through them. And don't for a moment think it and FBI warnings without the ability to skip hation of "fair use" which has always allowed secting the results of this in the form of region trof over how people play digital media. They It all centered around the MPAA wasting conisting DVD player and since the cost of DVDs could grill be copied and read through any exmately prove pointless since encrypted files your lavorité program and another tee for for consumers to make personal copies of the where you can occess content. We're alleady regiting. But this case was never about piracy was low enough to make pittacy a shortey losing want to be able to distate how, when, and

It's not too lose to make Be DMCA into a political issue. There are no voting records on its passage other than Channo's signing it into law. Both the House and the Senate used voice votes to assure its passage. That means it's as good as unanimous. Every single elected official needs to be targeted aggressively so that they realize what a bad mistake the DMCA is it's extremely likely many of them didn't get the full story when they were considering it. It's up to us to see that they understand it now And if they refuse to, to replace them with someons who does.

The MPAA has gotten an immense amount of bad publicity because of this case. People who weren't even aware of who the MPAA was now

> will be more corely than our loss. And ultimately they cannot hope to hold constitues bystage for very much longer. We find that once consumers become aware of what this is really about they understand the importance of the case very quickly. That's why getting the word out to as many people as pusable, leaffering, demonstrations, web pages, public forums—is so vital at this stage.

What we've seen over the last few months as a direct result of this is the transcadous growth of activism in our compounty. The Free Kevin movement seried us in this direction and the DeCSS case gare as a rest pass). This in turn has gatten many more people involved and helped to solidify ties between compounts that have always been fighting for the same things in different ways. Since we cannot coust on the media, then of the law aid against us) we have to to it ourselves. As fello Biafra put it during his keynote address of H2K, we must "become the media."

All of us have that ability and the net is what makes it possible. But the net is also in denger of becoming co-copied by fast same entities who are bying to shuf as down. This can happen in several ways. Our best and highlest can be kind away into explosite settings where the values they once held dear are eached in for stock options. More regularious by nervous governments can jectione the free potential of the global neith more felkbore. By portraying those in our community as criminals by focusing on absurdines take neal viruses and "potential" crimes, public option can be easily swayed to turn us into the enemy which makes control all the more necessary in the eyest of the masses.

One thing that seemed to come our of this summer's HZK conference was the sentiment that the time to sit back and lake it is ower. If we want to preserve our existing freedoms and restree those that we've already lost, the only way to accomplish this is to got involved. While it's casy to just sit back and let life happen, joining forces and working towards a goal is what makes for significant change. And it also happens to feel great.

That's precisely why this year's conference had more of an activity (should it. While the world of hiskers is oldinately about playing with technology, figuring things out, and sharing information, powerful politics have defided that these things are not to be tolerated. We find our you existence - and that of free thinkers of all

what victory sorts - threatened in ways even we find ourfund ulti - selves surprised by. While it's relatively simple
resumes to close one's eyes and play bell, the results
find that would be nothing short of catastrophic. We
what this is would be nothing short of catastrophic. We
what this is have no to take a stand and we have no be willing
thought to pay the price.

We've seen this sentiment exhect several times
sible - Gold to story of
Could be a factor ago we had no story of

prisons with effectly borrendons and barbaric million dollars and people were thrown into a cell phone (later defined by authorities as an staffperson, were hunted down and present, in Philadelphia and Los Angeles at the two major implement of crime). Bail was set at up to a some cases just for walking down a street with ride. Suspected "Jenders," including a 2600 the streets by police firing rabber bullets (a mainstream media duntally went along for the penceful protests were made illegel, and the practice introduced in Seattle last Nayember). political conventions. Crowds were attacked in trend. This summer, history repeated itself in As we suspected, it was the beginning of a port a story that the mainsugers had ignored. media people used the net in a major way to re-Southe and how for the first time independent We've seen this sentiment exhaut several time. this year. Three issues ago we fold the story of

If you wanched the seess and read the papers, you probably head the exact same words reported over and over that would lead you to believe has fissed actions were sometow justified. For those who seed that a very different story than what was being reported on the mainstream media soon noveled itself. Thanks to a new and long overfue brand of media nor new and long overfue brand of media nor

controlled by corporate interests

and a bedigerout government.

firsthand accounts got out to the
world in the form of video, audio,
and the written word. Most of this
was bitaited to the Internet but at least
one beand new satellite channel - Froe
Speech TV - managed to being this material into millions of living rooms nationwide. And, just like you would

expect to see in those "uncivilized" foreign nations, the authorities came down hard on these inclosed media types, harassing them at every opportunity, denying them access, and every opportunity, denying them access, and even going so far is to disrupt their legitimate work. One unbelievable incident took place at the Denocratic Convention in Los Angeles as the people at Fron Speech TV were preparing a live broadcast. Police came in and short flow the facility because of a "bomb threat." But no

Continued on page 4

# Kernel Modification Using LKMs

by datai (datai@insomnia.org)

is no easy task, but wall worth the trouble of learnteach you a few things will gatch your interest. If you are, maybe this will ing it. If you're not yet involved in it, maybe this UKNS and their use in the subject. Kernel hacking ternal modification, with particular regard toward This article explores the mystorious virtue of

TIO THOMOS

crash course on the subject. they actually work? In that case, I'll begin with a enoid Unix uses, is fairly familiar with kernel prinministration tasks, but maybe you're not ours how That's you, and you've used LKMs in routine adciples and sementics, and is a C programmer. I'm assuming that the reader is an experi-

moot. Linux elso supports demand loading of code into a running kernel without interrupting any modules, using "semeld" (now kmod). Don't forget insmoof under Linux, and removed using fair-Eustropeographical (or) toeloo erceteorale a cupalidad system traffic. Most basically, an object is comoperating systems to allow the linking of object ten used by Linux as well as some other modern An LKM, or Loadable Kernel Module, is a sys-

this function, as well as deanup\_modint\_module() is called. All modules must contain into the running system learnel and the function Once "insmoo" is called, the module is linked

to be device drivers or interrupt hanule to handle system events, such as the functions contained within the mocule() which is called at unloading. The purpose of init\_module() is to register

but you can nonetheless produce some contrealize this, it sounds capping. many newcomers to kernel coding braries, such as libb, it seems like are similar to that of "lo", at least as far and without overhead of static libraries. very mensing and useful modules. may not use functions contained in IIto your heart's content, however you 88 linkage goes. You are free to write The actions performed by insmod

the address above. cussed here feel free to e-mail are st you're output about anything not distem resources from within a module. If avoid detection) and utilizing basic sys- #include inux/string.h> mein parts: steathing a module (to The narrowed this down to two

move any traces of our modification to be seen. We obviously should reshould first determine where it is likely To effectively hido a module we Stealth

> hide the disk image after valve loaded the module functions do not appear in the kernel symbol table, (proc/ssyms. To be extra careful, we should smed, in addition, we should ensure that our

loaded?in");

return 1;

printk("<1>Failure. Perhaps the target module isn't

It/Imod->next/( While(1)

it(name == NULL)(

return 1;

prints("<1>usage: 'insmod wipemod name=target.o'\n");

Sinuximodule its nique requires little more than dranging a few ginners and I suggest you read it. Plaguez's techmodules was first introduced to me in Phrack 52 values in momory, which can be referenced with Unux Kemai." This is an excellent article for bein an article by Plaguez entitled "Weakening the Removing a module from the system list of

Imad->next->ndeps = 0;

printk("<1>Success.\n")

return 1; /\* return 1 sa it will unload. \*/

Imod->next = Imod->next->next;

ff(!stromp((char \*) Imod->next->name, name));

if(Impd->next->ndeps != 0)

/\* level ndeps \*/

allowed his sectingue: sions contained this line in semetimodule a which work on the newer 2.2 kernels. Earlier kernel ven Unfortunately Plaguez's technique does not

Ž  $R_{1}^{*}q := 0.0788 \text{ mp-system} = 0.88 \text{ mp-system}$ 

Impd \* Impd->next

/, sauls pur continue; /\* don't list modules for ker-

This is not present in 2.2.

()empour\_dnuseri

/\* This will never be called. \*/

don't bother doing it. loaded. This will unload itself after running, so ory. The target module must have already been the module list, leaving the actual module in membelow. It simply takes the specified module out of To remedy this I have written what you will find

\* dalsi(datai@insomnia.org) -wiperrod.o--Wipemod.c

- "usage: 'insmod wiperiod name=target.o'
- "it unloads itself, wiperned cannot restore a module and wiperned will unlead itself. Also, because "into the list after it has been taken out Notice: The target module must already be loaded,
- \* This is built for Linux 2.2.

ignore annoying secondary error messages.

推nclude <iinux/module.h> pinclude strukkemet.hv

char 'name; MODULE\_PARM(name, 's');

rende is improbable

Selectively allowing some parts of your code

ule from referencing you, eithough that occursymbol table. Second, it will keep any other modearning strator from seeing something such sa place? First of all It will keep the curious system ing this now, but why would we want to in the first newer kernel versions. There are new ways of do-

ter\_symbobs". However that has changed with ing listed in keymis used to be handled by fregis-

Keeping components of your module from be-

hax0r\_passwordz0" and its address in the kernel

init\_module()

struct module "Imod;

This has another useful function, it can be correwhere. This is defined in kinus/module.h>

This is very handy when you do something wrong also be effective, but that is boring. Adefine EXPORT NO SYMBOLS Instaling your module with "Insmod -x" would

while creating a module and it refuses to unload.

used to remove a broken module from the 1stings.

R

Using Kernel Resources

ory, but it's much faster.

Symtabs

booting, as the module is technically still in mem-Running it for this purpose is not as safe as rewhich happens more often than you may think.

your own system calls at runtime. things that a module can do, including how to add examples of this i'll show you some interesting In the right hands this commodity is (root 1 10). As becomes part of the kernel and can do anything. After R has been loaded, your code of course

"ksyms" does not display symbols from "the kernel the "ksyms" command. Note that by default proper." You can view all symbols with "keyms -a" more presty version of this list can be viewed with can readily utilize) is focated in (proc/ssyms. A The list of exported kernel symbols (ones you

code that you would be able to do with any library into your module, you can do anything from kernel kernel functions to operate. As a simple example: including libb. After all, libraries eventually rely on Even though you can't directly link libraries :00:v8r = genuid0:

it may go understood without mention that in Remel: yet = purent-build; not show up, whereas "intreturn, vals//" would 66". For Instance, "static Int return\_vals()" would sting the functions you wish to be hidden as "stato show up as keyma can be done by simply ore-

EXPORT\_NO\_SYMBOLS\* Into your module

Alternatively, you can slip

from /proc/modules, and mereby

2600 Magazine

order to use the second example from above, dimus/sched.hv needs to be included.

in the kernel source, "kernel/exit.o" for example handle the absence of convenient library functions You can see how some inherent system calls

System Calls

other than netive platform. Dirty, but not without would you want to do this? Its practical use may Ę for compiling and running certain programs on an for this would be to provide temporary portability it is not nonexistent. An example of possible use not be as defined as its educational purpose, but adding system cells to a running kernet. But why Much more interesting is the possibility of

when the switch is made from user mode with the call (\_NR\_syscall), which reade in Noo in ream/unistd har, one for each system to make sure that the requested call is within system call. Initially registers are seved, a comnoticetry.S, we see that several things happen "Syst call table)". The actual call is indexed by numbers contained bounds, and control is passed to the system call person is made against the value of NR\_systells: Viewing the assembly source in arch/1386/cor.

own system call as follows: Knowing the above we can implement our

findude (sidio.h) Reduce stouckeys.hv

Recause < inux/module.h> 独nglude <finux/kemel.h>

extern void "sys\_pal\_jable]:

esminisege static incsys\_my\_tune()

And we can call it as such:

\_asm\_\_("mov1 \$200, "keax

in \$0x80");

Or with \_syscalCO

## Bottom-half Handlers

system to spend a minimal amount of time within interrupt code. Doing things this way allows the will be executed. This is typically the bulk of the the OS. At a later time the interrupt's bottom-half a small amount of work, and then return control to occurs the main interrupt handler will typically do to speed up system operation. When an interrupt mechanism of Linux. The purpose behind them is Bottom-half handlers are part of the interrupt

our code executed as any real bottom-half. a bottom-haif, mark it to be run, and thereby have built into the kernet, we can register a function as any actual interrupts. Using functions already half handlers, even without providing support for It's very possible to register our own bottom-

now you know to trust me when I say there's a But why would we want to do this? Surely by

 $old\_val = (vold ^n) sys\_cal(\_table[250])$ : prints("I am a working system cell."n"); return 0;

sys\_my\_func;

roburn Or

Inf(\_modulo()

year plo, ploa.

asmirkage static int sys\_my\_functi

'sys\_cal\_table[250] = old\_val:

dearup\_module()

when a user logs in/out. continuously check /variadm\u00e4nop and report form a small task. For example, you may want to constant basis, so that we may repeatedly pera desired bit of code is executed on a relatively kernel that I present. In this case, we do it so that purpose behind some weird manipulation of the

upon every return from a system cell, as you can kernel/softrquoiss well. 889 in arch/0380/somet/entry.S. Take a look at Bottom-halves are checked for execution



init\_bh initializes a function as a handler, mark\_bh marks it to be executed upon the next scout for bottom-halves,

it is removed from the queue, therefore we call mark\_bh after disable\_bh uninitializes it. Each time a bottom-half is run

each run of the registered function.

#include dinux/interrupt.h> 推nclude linux/sched.h> #include <Enux/module.h> #include inux/kernel.h>

#define EMPTY\_BH 8

static void our\_half(void \*);

init\_module() init\_bh(EMPTY\_BH, (void \*) our\_half);
mark\_bh(EMPTY\_BH);

static void return 0;

our\_half(void \*nulf)

J\* insert code here... \*/

mark\_bh(EMPTY\_BH); /\* mark to run again \*/

Void cleanup\_module() disable\_bh(EMPTY\_BH);

# **GyberTime** Software HOW TO Hack

Encryption Table for Master Admin Account/Password

ravings of a teenager with girl problems. some other backs that also need to be berturge is, the coolest way to back it, and fixed. And I finish with some nonsensical no time flat. Then I go into detail about how arryone can get the admin password in In this article I will explain what Cyby Waphlo Managahtzul

offers a fully operational download a \$5/hour fee. The reason it is so popular is to TT networks on suped up computers for unto-restriction program used by Internet that the site (www.cybertimesoftware.com) cafe's and other net clubs that offer access Cybertime Software is the preferred

c:\ct5\db global information.dbf. (C:\ct5 tomer usage, and a client side that will ing access to 1) the password hash of cyserver side to sell hours and monitor cusunderstand how the algorithm was enit, so I did what any 2600 reader would enuncher that could make heads or tales of password only.) I couldn't find a hash is default installation.) The bash is kinda found the bash to be stored in the programs from the client computer. I bettime and 2) the ability to run server the installation directory on the server. side computer have read/write access in lock a computer until a customer logs in. acter in the string so it will correlate to the here's the coding table for alpha numeric crypting the passwords/accounts but the do. I made my own. It took a few hours to imbedded at the end of the rather small hash 61'2HG, elever; but ohviously not character at left, i.e., password ABCDI = ties. Compare the position of a hash charmess around with all the ason possibiliaccounts and passwords. I didn't want to ters to the hash made it a lot easier. So fact that it didn't add any random characfile. (It contains the admin login name and That translates to the elsent computer hav-The installation requires that the client The software has two main parts: a

	m o c a v
現文中の日本ではするマミウスタとも# まご因と### 5 MC#P 8学区.	8707 2207 2207 2207
HIIIIY)  - KKI  - HIIIY)  - KKI  - HIIIY)  - KKI  - Glibble  ANDO  KMY  MY  MI  MY  MY  MI  ME  Glibble  ME  ME  Glibble  ME  ME  Glibble  ME  ME  ME  ME  ME  ME  ME  ME  ME  M	8 # P F 7
A(HHHHX-bxY4(HH  -IIIIyly) -II   o(+JJJJ()("(+JJ   pKKK&&^KR   q+FLLL%L%S+FLL   GMMMMEMELGN   SFHassaNaNnFHsa   KGISBBSODUGIBB   ZHJVVVVVUVAHJVV   ANDYYYYSY56KMY   La)))))778La))   JWXXXXXXXXXXXIII   JWXXXXXXXXXIII   JWXXXXXXXXIII   JWXXXXXXXXIII   JWXXXXXXXXIII   WYMMAN, WYMM   ADDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	Zm-maSZ 0+++B+BbT0++ 2 C_CVZ2_ FFFFvFwW04FF GGGGwGwX2]GG
HHXHXY (y)]-II  JJ(J('(+J) (KK&K&  MIMMEMI );;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	\$50°
NHXY   -    -    -    -    -    -    -	8 ≶ 0 ₽ ₹
(+JJ K&^KP %S+FLL EMELGN MANFHaa DUG!bb MACHUX MACHUX ABPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A APPY'A	-maSZ BbT0+ CVZ2 W04F8
SEE 1025	51° 17
	e . /

names and passwords is to do a search for the backups (\*.CTB) that store the passwords to The best way to get CUSTOMER login

> sneaky without telling you (like adding a line to your autoexec hat that formeds your com-Approximately and the second found that it was making changes to two keys So I set out to find it. And, using incontrol, I ing function that will only let you make about puter). Cybert me's server sade has an annoytecting trajans and stuff that like to do things roolbex.com). Incontrol is very useful for dedone to hack Cybertime so far was to down. eleantext. Or once the Admin password is hack required the use of incontrol4 (wareing password was changed. The next part of the view the passwords. Note that all that was stratched, use the customer server program to 340 transactions before the package expires. Notepad to look through all the files as the load the program, read the manual, and use

CHKEY\_LOCAL\_MACHINE/SOFT-

WARE/CIS/BDE\_MODE B. HKEY\_LOCAL\_MACHINE/Sys tem/CurrentControlSet/Control/WinBuild/ BuildAdde

method to just docode it each time that did let me make 999 saves to my ficti-tious customers. But when I tried to impress my buddles at "cyberhouse" by adding the catra saves to the software... it crashed and to actively listen to the changes as I kept making transactions with a fictitious customer sure that every installation creates a new codcoding table. Now on my computer the chart let me make up the "nomber" bXs for 999 tion between the key data and the remaining and I figured out (quite simply) the correlaing table, but still, you can use the above said the package bad expired. So I am peerly days had a peticin. So I once again made a As I learned more about incontrol 4 I got it

Date tracking counter encryption table

0-110	していま	<b>ω</b> φ
3 X ~ ~	-ZB-	8°5
ରୁ ଓ ପଟ	೧<೧	*פ
० ५७	مر مر می	on #

A big N will mean negative. Well, that about covers the elite backs

You are using a demo copy every time you to-gen. When this happens, stick in a CD that the and if you're thinking about purchasing The rest are pretty lame, but they are effecthe software you should at least know of the evaluation copy will alon you that

has an auto-run on it. The auto-run will play

ing will not appear. Most owners can't refuse the urge to put their own little message in its work on any game that takes a few seconds to load a CGI intro. If your cafe has the registhe Message for the game to load. This will to be played, then logout, login, and wait on the silly prompt, double click on the game on it. Another method is to login, click OK over the prompt and you can play whatever's forced version of Cybertime, the demo warn-

(if running NT) logout of the computer and click cancel. This will get you into the compater, but all the useful shortcuts are gone The second way to defeat it is to login and

you're not stupid, are you? they are witty they will change its name to something like keyboardDriver.exe. But get the Task Manager up, then close the cushitting CTRLALT DEL like crazy until you volume down) restart the computer and be The third way is to login, then (turn the

thing. That will cause some damage and will probably froze the server. Thus when your time expires nebody will be kicked off but server's crieff directory and delete everythe system. Just work your way up to me backup to restore from if not a full reinstallathe server will be totally fuber and will need a or may not have the effect of letting you on The fourth way is totally wrong and may

task manager play. either rename the civets directory, or do the computer. Give the system a hard reboot, and The fifth way is almost as bad for the

will simply close itself thus allowing you to the customer usage screen logged in as admin. Rather, the client side oustomer monitor the program will close. You won't show up on an employee password you can just log n and play undetected. And of course if you know the admin or

with the opposite sex. is stressing ine. Anything Too pisses ber off and she never seems buppy to see me. I told her about my hacking a long time ago and she dight like it so I stopped. But not anymore brows in an effort to express my Irustration received that the shared my bead and eyenal changes to this article and would like to has been four days now, and I made a few fibours ago.... Another thing. Small update, it up a few old habits and I shan't stop ripping fill midnight! Oh... wait, that was like three since she doesn't seem to want me. I've taken really not as smart as what it may look like.

And if I may I would like to say that my guit bid amazing lock or intuition or something but it has been a rush the whole time and I'm started on this about two days ago and I've weeks of time to accomplish, but in truth Anyway, I am tempted to say this took me

Other States of the States of Control of the States of Control of CAST BAS AND THE

Re: CBS TRADEMARK

Endica/Octoberen:

June 27, 2000

A matter of serious concern has come to our affection.

"fuck" and using this expression as a pointer to aboleom. 2600 Enterprises is using the world famous CBS trademark in combination with the word

diluting our valuable and well-known trademark. trademark infringement, various violations of the Sederal Landson Act and is irrepensity Please be advised that this misuse of the CBS undertack constitutes a very serious

alternative but to take appropriate action to protect our trademark. and confirm in parting such use has seased by no later form June 28, 2000, we will have no Unless you immediately coase and desist form using the CBS trademark in any manner

CBS continues to reserve all of its rights and remodies.

Attention: Mr. Emmanuel Goldstein Middle Island, New York, 11983 P.O. Box 99 2500 Enterprises

FAX: 516-474-2677 REGISTERED, RETURN RECEIPT REQUESTED

emmanuel@2600 com

200018098

×\* TOTAL PAGE,882 >\*

REGISTERING WWW.FUCKABCANDFUCKFOXTOO.COM. LET'S SEE IF ONE DOMAIN CAN GEN-TO FUCKFOX AND FUCKABO SO, IN ORDER TO GET MORE CORPORATE LETTERHEAD WE'RE LIKE NBC WAS OVER WWW.FUCKNBC.COM. WERE WE EVER WRONG. IT SEEMS THAT THEY WE ACTUALLY PRAISED CBS (EVEN THOUGHTHEIR PARENT COMPANY VIACOM IS PART OF NEVER LET IT BE SAID THAT WE DON'T ADMIT WHEN WE'RE WRONG. IN THE SUMMER ISSUE HADNIT HEARD OF THE SITE UNTIL WE SAID THAT! WE FEEL BAD THAT SOMEONE BEAT US THE MPAA LAWSUIT). WE SAID THEY WEREN'T FREAKING OUT OVER WWW.FUCKOSS.COM ERATE THREATS FROM TWO DIFFERENT CORPORATIONS.

# arget Advertising

rine as the war broke out. This weapon is propeconto were protectly the most well known and rent of war came into its own around the same 8886 known yet much more widespread impleeared of the weapons developed during WWII, a assporry title the modern arsenal. While pudeer by Hiemlich VonScootertraus the 53rd World War II brought a whole new estegory of

lesser extent, the dispanese both used propa-gands to fuel their war machines as well. The only resil difference between their propagance and libiting it to the Jerry. The Gentrans, and to a losis the riveter or 8 handsome youthful soldier We've all seen the draft posters featuring

our minds wont on as a subtle undercurrient to the ours is that we won the war. ighting outside. After the war, tilbes and careskies, the seas, and on the ground. The war for So while the war for our lands raged on in the

200

picky. control the minds of their people most combut who had the larger stookples of War. This was not just a competition to find sugged it out through the height of the Cold veapors, it was also a fight to see who could out the 50's and 60's, the US and the USSR yes and ears went on unabsted. All throughwere hung up, but the battle for our

me're on hold hay're even played over the phone white sky on buldings, on the radio, in magazines, in modes, on TV on our computer screens. S00 saparate advertisements. They're in the to history. Every day we are subjected to over and marketing. Companies bettle for our harty years, flowever, instead of calling it ly corporations using the same old tech to. Today our minds are continually fucked genda wars ended too, right? Unfortunately houghts more forcely than any other badie propaganda, it's referred to as adversing sques the government employed for so But when the Cold War ended, the propa-

ple of throwing the largest possible number of mossages at the largest possible concentration of a single group. This is why you always see been alleads othe passest animals to rape. will follow the hard, (Interestingly enough, sheep commercial's broadcast during sports games, and ous categories. You may be a gum-chewer, a firsk they know about you. To an edvortising Starters, you must understand what adventisers affice the majority of them to come to you, the rest individual. People are like sheep: if you can conising does not take into account the actions of the Screen communicate on Saturday morning. Advenson. Advertising campaigns are built on the princh video gamer, a nose picker, anything but a perhouse, you are a number. You simply fail into variour time. So what can you do about it? For Advertising is truly one of the greatest exits of

Which brings up the most netatious plot as

ad and decide they can't live without it. sen Avenue Is' Get them while they is young." While the mainsdream media has attrouted this knows ecaclly what happens when kids see a lay tham. Anyona who's ever been in Toys R.Us. t is that kids will want their parects to buy lice the advertising industry to help figure out just what get inside the mind of a child in fact, a great deal basic understanding of paychology; one can easily well. Officien are very easy to control. With only a Fight for the rest of the pipouot making world as ideal to the occarette jobistry, it is in fact arguring yerisers have devised. The guiding rule of Madof modern shift psychologists are employed by

remain untertered when the sign is on public land deface advertising whenever possible. Thate's no of advertising propaganda? For startors, you can reason that a billboard or bus-stop-side ad should So what can you do to slow the preushing tide belong to the peo-Indeed, \$16 offers

TOXIC SLUDGE IS

allowed to remove

ple; we should be

GOOD FOR YOU! AND THE PUBLIC LIES, DAMM LIES poet Sugant if we so choose, any unsightly ads Woodley dis-

RELATIONS INDUSTRY NTROPOCTION BY SHEEDEN KANEDON STAUBER are played before a move, they Spelloum portry needs to be lined. FROM SHOTE CODE aborningbon, A regular old ads an and dandy, but certly? Novie preat the theaternegoursed to endure SALUE OR SWOOM views are all fire many ada fraver mayles, How

VILLE DOMES

ala Mystery Schoos Theater 3000 peppey eq ishum proded

vertising ideal of branding (imprinting your name in the customer's mind) to new heights. They a corner allop. Coke is almost as recognizable a ganda is by far the Cool Cole company. There is Coke being associated with said fun-Bible). Coke has single-handedy furned the adof the greatest work of propaganda every the symbol as the Christian cross (an ancient symbol sponsor everything! It's as it Coke wishes to inhery a city in the world which doesn't set. Coke at sure that no fun is had on planet Earth without Finally, the world's largest purveyor of prope-

government or company is able to think for you propagands in stills forms, especially government as we have a mule button on the TV. they have won. And we shall never lose as long based - it's the most despicable form. When a So keep your eyes and ears closed "gnote

# AN INTRODUCTION TO SPRINT ION

by The Prophet

monitor all of your interset usage, and will the data in must be in the service area and live in a single-family new RI-65 Ethernet picks. To order Sprint HON, you (ISH), all necessary selephone wiring, and up to two counts, and a Joom Home Connect USB digital quality of the local loop), soicemail, an Farth'tak acon service contract, which gives Sprint the right to usidence. You must also agree to a very broadly with caudes installation of Sprint's Integrated Services Hub about \$80 per month, Installation costs \$500, and insubscribers, which will offer 1Mbps downstrain and camera. The price for this service is \$150 per month count with disk-up aggress and five e-mail user ac-Dibbs upstream (although this varies depending on the up to 8 metables per second (Mitps) downstream and package, Internet service with two states IP addresses at cal colling and a shared 750 minute long distance 2500 ps updream, along with two telephone lines, for Sprint also plans to offer a service almost at residencial tele, it includes four telephone lines with entirated to his writing, there is only one service package availing, caller ID, spicerrial, and Internet service. As of ION includes local and long distance colling, call warand Seattle areas (and coming to other cates soon). roulable on a limited basis in the Denver, Kansas City, ntegrated voice and data services network, which is Specia Integrated On Demand Network (ION) is an

Physical Topology

There are three main composition the ION service the Integrated Services Flob (ISI), a dry pair copper loop that Sprint leases from your local phane company, and Sprint's own equipment, ION service contes to you by say of a chamerlined AIM contraction energing from 4-8Mtpps downstream and SOGRape-Mays upstream (depending on distance). These are three features by corresponding on distance of these arrays where datuments, One corresponding to the service signaling data, and one carries which is leased from your benefit places company (in combine I leased from your focal phone company) (in combine I lead Exchange Carner or ILEC). The ILEC could this leased from your focal phone company (in combine I lead Exchange Carner or ILEC). The ILEC could this kind of thre "Gy pair."

You ISH is in one ode of the ATM connection and a Lincon? Surger OSLAM card is on the other ride. The Lower "Surger" series DSLAM is breated in Strict I socked co-bestion caps, which is inside of the LEC's central office (CO). Only unthorsed Sprint personnel and compressed cath gain across to the co-bestion caps. Sprint assentations all of the equipment necessary to provide you with 10N service, with the exception of the dry pair that is based from your ILFC.

If there is a position with the dry poin, Syrint must contact the TLFC on your behalf; you cannot contact the ILLC drivery.

Integrated Services Hub

Otherwise, the two units are functionally identical. the space for expansion that the larger black ISH does. signed for residencial use. It is white, and does not have smaller version of the ISH is available, which is destudied primarily in small business environments. A lines. The large black ISM design is likely to be ina single ISH of this type can handle up to 33 telephone phone arms or two RJ 45 jacks apiece. This escuts that tional conts, each of which can contain up to four tral office. On my ISH, there is notes for seven addi-RI-45 jacks are on cards, similar to line cards in a con-RJ-11 justs are used for telephone lines. The RJ-11 and used for the ATM connection, and the recursing four jacks and two RJ-45 jacks. One of the RJ-JH jacks is bot that accounts on the wall it contains for RJ-[] as part of the installation. If you later move, se intion rotter and multiplexes, which you buy from Sprint stolling the ISH is balf poor. My ISH is a large black The integrated Services Hub (ISH) is a combina-

The ATM drop ocenious to your ISH by way of an RF1 (cable. The cabling is done by Sprint ION's installers, and must between the ISH and the Network Installers, and must between the ISH and the Network Installers, and must be the side of your bouse. A separate 4 pair cable must from the RF1 II justs on the ISH back to the NID, where pich pair is a smooted to your bouse's inside telephone wiring. I ruth a crossover cable from one of the RF4 45 justs on the ISH to my INVOLUDIESET Effection in which, you can also plug a computer directly into the RF45 justs. The ISH operates a Hillman Computer are set [40] as of the ISH operates a Hillman Computer directly into the RF45 justs. The ISH operates as it [40] as of the IOBS set I speeds, in either that or half diplex.

Sprid can remotely mutation your ISIL and has broad management beatures. Excluding can view the number of MAC addresses no your network, the sumber of active telephone calls, and more Sprint also regshely updates the software in the ISIL transparent in the user.

Voice Routing

When you make a stlephone cell, your volce traffic is carried using Real Time Pentacol (RTP), and signaling data is carried using Real Time Pentacol (RTP), and signaling data is carried alongside it using Simple Gateway. Octains Proceed (SCCP), Both streams are converted to ATM enciperationed IP gastless at the ISH, and moned to ATM long through Sprint's ATM cloud. A separate ATM cloud covers each Memopolitus Service Meta (MSAA) for example, the Kaneas City or Danver areas: At Sprint's control office, those puckets are converted to regular channelized voice traffic plus SST.

rested internally) is cominded, it will be corried on end B.: When co-demand video (which is presently being magnating to an end-to-end ATM solution for voice that the first service where any call can be a local call. Beour access charges as earrying them. This makes JON purdies of charge. This is became Sprint does not ino end ATM muse voice over IP over ATM is not efficient. Sprint is called an "co-oct" call. On-not calls are always free, reremains entirely within the Sprint ION network, and is DMS250), except if a call is to snother Sprint FON fively), it is either routed to Sprint's long distance outon the type of traffic flong distance or local, respec-(formerly Belliams) software called Service Manager, number. If the call is to another Spent RON member, it work or to the local ILEC tandest (usually a Norfe) which may on HP 9000 series computers. Depending

Data Rooting and Performance

In occes to use data service with Sprint FON it is that necessary to register the MAC address of your netowek care! You do this at

other well connected sites such as 1808-40(8.B). I receive similar performance from to. From http://www.yomesdomem.com, Lean average mates at 6.4Mhps downstream, and 640kbps upstream this bandwidth is shored between your voice telephone stream and IMbgs upstream, it must be recognized that As a practical marter, data transfer speeds are often one mile away from my central office and my loop op ines and the data portion of the service. I am located the public pearing points. While Sprint claims maxiother foldrast exencetion sharing methods, or using servers, using network address translation (NAT) or num theurstical data performance of 8Mbps downalmost exclusively used, latiney is much less than at in Konsas City, Since well connected private peers are fit, regardless of origination, as routed to sprintlink.net bits traffic is also carried as IP over ATM, All data traf-PPTP, RAS, or IP tunneling services. Like voice in the their Terms of Service) against running briefied DSL or cable providers, has no memotions (subject to none than 10 different MAC addresses before sumorni able of MAC registrations and you passoc register http://tegsster.spr.intho-de.com. Sprint heeps a stade nated by the speed of the site that you are correcting as to manually clear the table. Sprint, unlike most

http://essjus.www.com/on.com.

Dashboard

Syrint offices a tradey called Daubhoard, which is an SSL page located at https://www.edm.gyrint.com. Oskrackly, this is branded "Syrint, ION Counce Conser," but Sprint personnel always refer to the predict as Daubhoard. When you key only Daubhoard, when you key only Daubhoard as news and weather. If you need support with your Earthlink ascense, to localized barehink orders for Daubhoard.

You can also leave sectioned support e-mail messages to Sprint ION staff. Finally, a video phone feature is included.

data. Tals is accomplished using proprietary Telecodia

The cost interesting part of Dashboard is Home Manager. Using Home Manager, you can control the behavior of call forwarding anomymous ealt rejection, call waiting, and cabler ID blocking from your PC. You can also change the parts on the ISH on which your nebaboars ring fallowing you so change when phones only in what recent with only a few mouse dicks). Finally, you can create additional accounts that are authorized to use Dashboard and control which functions that those socours can perform.

In the future, Spring years to said additional features to Duchhoord. You will be able to retrieve and ploy voccessal messages on your PC, order pay-perview movies, and view the number of minutes remaining in your plan. You will also be able to view and pay your bill, and update billing information.

Ticketing Procedures

Customers who are experiencing difficulty with ION service call 1.477-856-4668. They are then connected to the few Swinters Center (INSC) in Atlanta, Georgia. This is the first level of support. The expression strives there are cained to handle must reating our control support issues. They also surve as a their in other groups within Syenti fON; customers are never allowed to talk to anyone outside of the INSC. If the invubble is belyout the scape of the INSC subtrains, they will upon a involve toker, which is assigned a severity level and sent to the approximate "fax agency." The fix approximal sent to the approximate "fax agency."

In general, problems with data contractivity are reformed to the laterated Service Center (ISC) in Althout, and problems with soice connectivity are reformed to the ISMC in Karness City, If the problems are determined to be with the physical hardware. Roundfood Local Network Operation (BUNO) is connected. They deal with ILECs and the bardware in the collection ergos incide of CO's. If other equipment in the Sprint network has undarquous a physical fishing, the NTAC are such operations center handles the problem. Because of all of the different organizations responsible for fixing problems with the network, it can sometimes the second down to get a problem resolved if multiple spansions are involved.

Telephone Numbers

The following are the telephone numbers used asternally at Sprint to contact various for apencies. Ourtomers should not call these numbers directly; they will be referred back to the ENSC (at 877-805-4665). ISMC: 913-534-7200

BLNO: 877-602-2235

Dispotch (Earthfields 800-866-840) Dashboard PW Reset: 877-746-8466

Volcemail PW Reset: 877-282-6100

## REVOLUTION REVOLUTION



### by Silvio Manuel

This article serves to illustrate the explosion in Geographic Information Systems that has paralleled the growth of the IT world in general it is a summary of 1) what a Geographic Information System (GIS) is, 2) the main software windows involved in the GIS market; and 3) why it is important to you. This article is not a detailed explanation of GIS programming, nor does its scope encompass the introate details of different GIS platforms. In short, this article's purpose is to provide the reader with a basic understanding of GIS without exploring the subject in introate detail.

that location. By using a GIS complex, analyper attached, detailing the information about map of the United States which is filled with ments. This is equivalent to looking at a paper database fields, but also by spatial requirethe entire database can be queried, not only by ocated. By implementing this data into a GIS, ample can be found in census data, where data with an exact spatial location. A ready exzore to any GIS is the ability to combine tabular lowed the development of GIS systems. The more accurately, powerful microcomputing al-28 Analyses. The advent of computing, and roots in two disciplines, Geography and Statistic ies can be performed on a location. humbtacks. Each thumbtack has a piece of pamormous amounts of detailed information are Geographic Information Systems finds its

The uses of a GIS are limited only by the ability of its owner and the data available. It has become popular in everything from oily planning to ecological conservation. At the heart of the system lies a topological model to which the data is pinned. The data file, which is almost always vector-oriented (if it is not vector then some means must be available to emulties.)

late this), is populated with a database or records. The spatial precess of the data, which recemble its real world counterpart, are comprised of points, lines, and polygons. Since the file has topology, every line has a "right" and an "out." This is how each database record is tried to its spatial coordinates. The most visible example of this is your local Emergency 911 system.

relatively cheap), b) its ease of use (although is available. This is a simple example, and I gestion, and any other variables for which data quickest route from several different locations, priste record in the GIS is found using this which it can be customized. years), and most importantly, of the ease with fremely complex, this has changed in recent carrier versions of GIS software could be ex-(most commercial GIS software packages are makes this a viable system is its a) cheepness have seen much more complex uses. What taking into consideration traffic flow, traffic conike ESRI's Network Analyst can determine the code. Once the record is located, GIS utilities. either a left or a right address), then the approthrough the GIS. The address is analyzed (it is necessary to tell them anymore), it is fed for your address, (and I don't even think it's GIS database). When you tell the E911 operamakes them more easily assimilated into the could be more easily located (and this also routes were given E911 addresses, so that they now based on a GIS. This is the reason all rura Most E911 systems across the country are

Several GIS packages are available primmandally, but the most popular are Mspirifo, MGE, ArcView, Geof/Aedia, and Arcinfo. MGE is based on the Microstation CAD engine, developed by Bendey Systems and Intergraph.

> their specific needs the basic ArcView package and then tailor if to sysilable then one can be produced at Ittle or to cost. This means that anyone can purphase from ESRI themselves. If a program is not offic tasks are easy to find on the Internet or ple but useful. Thousands of programs for speis own scripting language, Avenue, that is sim-)radustas, and to its scriptability. ArcView has educational institutions at large discounts company's devotion to distributing its software commonly called ESRI. In the past intergraph's hus creating a trained workforce in college ofal dominance. This lead has been due to the ast five years have seen ESRI rise to almost sackages dominated the GIS market but the Invironmental Systems Research Institute, ArcView and Arcinfo are both distributed by

So, why is any of this important? And how does it affect you? Anyone with even a little imagination can see how a system that can integrate and analyze huge databases with spatial data to create targeted, specific results in the form of maps, graphics, projections, each can be misused. And it is

Some companies deal in this information. The spatial data is cheap, wot, it's actually free. An almost limitiess amount of geographic data is available from the United States Gablogical Survey, Tornadover, and other such sites. This data is being collected by some companies, who then assimilate the spatial information with massive databases compiled from grocery stores, mailing lists, credit

reports, census data, and public records. This information is then sold to groups who use it in conjunction with a GIS to determine everything from lending qualifications to high crime areas to 99.9 percent of the population, this goes on without their awareness or consent. If you apply for enything from health insurance to a loen, a company possessing such a detabase can reference your info and study where you live, what you est, what you buy it. To many readers of 2600 this isn't a new idea, and to others it may seem a "conspirery theory" or paranoid soft detailor. Yet it is an absolute reality.

For a detailed description of such practices, ack out:

\*Protecting Personal Privacy In Using Geo graphic Information Systems," Photogrammotno Engineering and Remote Sensing, Vol. 60, No. 9, September 194 pp. 1083-1095.;

"We Know Who You Are and We Know Where You Live: The Instrumental Retionalty of Geodomographic Systems," Jon Goss, Dept of Geography, Unix, of Hewaii.

The bottom line is that very soon in the future these systems will be an everyday part of our fives, with the possibility existing for them to be used or abused. Thus, it is necessary to have at least a basic understanding of them, how they are used, and how they affect you. This article has stimmed over a great deal, but hopefully will provide answers to the above questions. So keep an eye out, because corre-one really is watching you, and it ain't that guardian angel you keep taking about

# S FREEDOM DOWNTIME

The new feature-length documentary from 2600 Films is making the rounds. Check www.freedom-downtime.com to see if it'll be playing in your part of the world. We will post updates on VHS and DVD availability as we get them.

# Anomaly Detection SYSTEMS

on what is currently being done "on the other side of the fence," so to speak. been successful and to get a handle whether or not an attack may have whole idea is to identify attacks against behind what detection is all about. The your network, primarily to determine tems, we must first explore the intent In order to talk about detection sys-

The bases curity Systems pretty much covers all this paradigm set forth by Internet Setive" or it can be "Passive." Second, it Based," or "Passive/Network Based. "Passive/Host Based," "Active/Network that is "Active/Host Based," can be "Host Based" or "Network two factors. First, a system can be "Acselves are defined by a combination of primarily been compartmentalized into IDS systems can be categorized, but have an intrusion detection system Based." So, when combined, you can four distinct camps, which in them-There are obviously other ways that Intrusion Detection systems have

diately after it occurs. "Passive" syssponse to an identified incoming atwork, or any combination of these wall and the rest of the internal netprovider, between the network's firenetwork's firewall and their upstream demilitarized zone (DMZ), between a work based systems reside either in a by, looking for attacks. Generally, nettarget, and spy on the traffic as it flows network between the attacker and the Based' systems sit somewhere on the actly that; they reside on the individual date. "Host Based" systems are exstore it for easy reference at a later command console of the activity immebased on the attack, or notifying a of real-time (or near real-time) retive" IDS, the system must be capable nosts that are being targeted. "Network tems generally record the activity and tack, such as updating firewall rules In order to be classified as an "Ac-

> scans all the traffic, and when it sees a rules, notify a console, etc.). attack, it does whatever it was set up pattern that matches that of a known other attacks. This is done very simiaround the concept of "attack signatrends. Since the inception of intrusion to do (page an admin, update firewall scanners are designed. The system larly to the way that most popular virus other normal network traffic and from today, they have generally been based nature that distinguishes itself from tures." That is, every attack has a sigdetection systems as we know them Now, let's talk a little bit about

outlined below. tion. This has distinct advantages, as can be found on the network is igcomplishing intrusion detection is brought to the network owner's attennormally seen are highlighted and nored, and bits of traffic that are not detection system, traffic that normally 'Anomaly Detection.' With an anomaly An oft unrecognized means of ac-

what good are intrusion detection sysexploit is coded, and the fix is coded, coded. Now, between the time that the and a fix for the vulnerability will be shared with friends, or kept to oneself exploit code for it, to take advantage of new vulnerability is found? The individbet on it. So, what happens when a thing as a "secure" system. Every mafine a signature that identifies a disthe fact that in order to be able to detems based on attack signature? the security community as a whole it will probably end up in the hands of for a certain period of time. Eventually the vulnerability. This code is then ual that found it will likely create some been found. But they're there, you can that are on the systems have not yet most cases is that the vulnerabilities What keeps this from happening in today can have its security defeated. chine that is attached to the Internet None, whatsoever, Simply because of We all know that there is no such

> wire, or finds itself on its target system. that attack "looks like" as it crosses the criminate attack, one must know what

channel ISDN, or the largest banking ing" security on your network, be it four cle is an atternate means of "visualiznetwork in the world Linux machines sitting behind a dual What I plan to set forth with this arti-

taining access, short of unplugging the wants access to your network from ob-A. You cannot keep someone who Let's make some assumptions:

wanting to gain access to your net-B. You cannot stop someone from

NO.X

your security to accomplish (don't we all?). With these as-C. You have limited resources

the best that of the machines in systems, secure all sion detection But, what is the network, etc. firewalls, intrudustered purchase solving the sumptions in problem sources at power and recan throw man you do? Well, you mind, what can がなるがあ

continues to be able to access the masive, to ensure that the traffic no longer take actions, either aggressive or pasmay be vulnerable. And, third, you can services exist on your network that so than he intended. Second, you can in so that it takes him more time to do it difficult enough for the attacker to get take place in order to determine what identify the initial scanning that must you can really hope to accomplish? The best you can really do is make

able, even exploits that were coded identify all traffic that may be question-How can you do this? How can you chines that may be vulnerable

yesterday? Anomaly Detection.

mail address. Here's how the system sentry, logoheck, gnumeric, and an etools consist of ipchains/ipfwadm, porttools and a little modification. These Linux platform with simple freeware tection system can be built on any An extremely effective Anomaly De-

other than 22/top or 80/top. Modify is set up to log all traffic going to ports portsentry to execute logcheck anylog every packet that goes to any port server and you use ssh, have ipchains that are not listeners. If it's a webtime that portsentry trips. Use portsen-On every system, ipchains/ipfwadm try -actp. Modify logcheck to

e-mail you any unusual

activity that appears in the logs to your egnumeric, or any mail address. Use other spreadsheet maintain a rogue packet on record of every that you like, to tivity, ports intime of the acdress, date and Maintain ip adeach machine.

those ip addresses. contact information re: the owners of available), and

हैं ip address (if

of the offending dns resolution

source port

Volved (including

self some time to respond. The attacker to be able to compromise your response, of course, I leave up to you ity to see it happening, and give your Slow him down, give yourself the abilto determine what is on your network He must do some preliminary checking are running, what OS's you use, etc. system, he must know what services work. Every packet. Face it, for an work that does not belong on your netsee every packet that enters your net-With this system in place, you will

Page 19

# THE PAPER CARNIVORE

### by BrotherBen

cruninately scan all public Internet comthat later. offizens Without a court order. But more on cal" ECHELON can be used against US vore, traditional wiretaps, nor the "mythilaw and at least on paper neither Carnimunications. Naturally that is against the law the device should not be used to indiswiretapping warrants have been issued. By mail sent to or from individuals for whom amounts of email traffic and extract any is a system designed to analyze huge. Carnivore (originally called "Omnivore") vise all parties interested in privacy and Inhave beard about Carnivore. If not, I adternet security to do a quick search on 'carnivore FBF' and do a little a reading I am sure most 2600 readers out there

quotes from FBI officials refer to the deany port, but almost all of the printed toppy/zip/whatever archive of the mesthat Carmyore could collect trathe from reportedly locked in a cage 24-7). Note ing the Camivore software (script?) is sages (interestingly enough, the PC housers for target senders and recipients, and ficollects the data, examines the mail head chine, but in fact the deadly "Carnivore" shows up daily at the ISP to collect a nally archives those messages. An agent same: Carnivore spiffs all port 25 traffic mant gateway, but the end result is the necks on the ISP to perform its mission. simply saids all tradic at strategic bottle. plished, such as installing a script on the fer. The media is describing the device as too Locald cavision for smiling an ISP's There are literally a dozen different secon sages and sends them on to an analysis mamail gateway that greps for certain mes-FBI has received wiretapping warrants. ceived by targeted ISPs and "selects" mosan email scanner that collects all traffic reto the FBI (think Infrastructure) that Carni There are many ways this could be accomsages sent by andividuals for whom the yore is nothing more than a glorified snif-I have been informed by sources close

> the USA may allow sniffing of just about Hotmail or Deja as a mail service. any type of traffic, including web surling. lecting hund traffic if a target were using In fact, I am sure the FBI would begin ook current state of winetapping laws in

accomplish its mission, and that these will only use the information it needs to above). We are left to trust that the FIST order to track one or two suspects. Liketraffic and diseards that information not to allow the FBI to som their e-mail trains "needs" are modest and lawful in scope. TCP/IP traffic routed to that subject (see scanner, the FBI could be receiving all wast, depending on the configuration of the ten in" on *all* e-mail sent to a given ISP in then, the FBI must at least temporarily "itspertinent to the current mission. In theory the FBI presumably collects all TCP/IP on a daily basis. The problem here is that fact that at least one ISP has been ordered What has raised media interest lately is the vore for years - and getting similar results not surveilbance operations without Carriin recent months due to privacy issues the FBI has been conducting limited Interfar two late to play the role of alarmist, as mivere is nothing new. In fact, the ACLU is ACLU and EPIC), but the concept of Carraised by certain groups (such as the The media has hyped Camiyore heavily

committees designed to prevent abuses of power, but rechnology issues are very diffinever designed to do. In the FBI's defense, itself - something our government was messages for threat conditions. The capaoult to oversee because members of overhave to trust the establishment to control bility is there, of course, and once again we LON, in which private communications are doesn't end up in a role similar to ECHE. our share of government ignorance, opof our privacy - we have all experienced a paramoid rant about yet another invasion I have been told that there are oversight subjected to a logic engine that evaluates sice itself is quite mandane, assuming it pression, lies, etc. In fact the Carnivore de-The point of this article is not to present

> the MPAA/2600 case. problems occurring with the depositions in actual threats involved. We see similar nically prolicient enough to understand the sight committees are not always tech-

collected and examined at the whim (or for operations. All traffic could likely be leyel of access initially granted to the FBI The critical issue with Carnivore is the

dealing equately incapable of adof an agent, Carmisconliguration) (aws are simply Suddingan man

Agreed Goppougas соосепь traffic and amount of because the with email from the

fact, one could ar-GN2608 (III)

terms of the POTS sys-

such a change. concerning ISPs and Carnivore proves this soon but patience alone will not institute few bad apples. I hope this trend changes picking through our lives in search of a ven with "good" ones, and the FBI is left lations being applied to a medium in which perfectly - we now have tap and trace regustill in development. The recent court order global, switched data communications is years, but in fact a real understanding of have been modified over the past few wiretapping statutes). Wiretapping laws phone systems have outgrown treathenal gue that modern telebad" communications are tightly interwo-

holes" such as cryptography. We cannot tively awoid bad legislation by using "loop raphy as a final solution is flawed for two phy whenever necessary, viewing cryptog serious privacy advocates to use cryptogravores amongst us. Even though I advise all phy appears to be a partacea for the Carnireasons. For one, it is not enough to reacassume that our current algorithms are in-Naturally I understand that cryptogra-

> tering private keys - probably in the name vented by our regular application of strong crease surveillance powers, such as regiscrypto, we may see another push to inondly, if the powers of the FBI are circumproactively voicing our discontent. Seeact to stop the trends in legislation by decipherable, or that cryptography will soon become mainstream. We must

of stopping terrorism. The public mail services such as stated earlier, the use of end result will be the invarious agenetics. As munication lines by creased control over com-Hotmail and

Ch, my dog do year, the Constitution 200

the FBI to monitor other types of IP certainly prompt like BC will Garne. chat protocols never seen have

7 the govern-

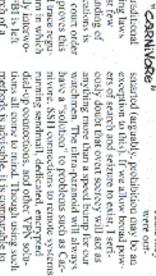
Thehr just be-

cause they gown from a ment back

belly of the whale. The greater issue must the tona cot-swimming the shark in the methods is advisable, it is comparable to

of governmental institutions to control and distribute strong cryptographic systems, prohibit technology. One cannot occur while simultaneously restricting the power islates technology. We must normalize and government misunderstands and over-logoffense should tell us how seriously our tion from the USA is viewed as a felomous before the other. The fact that exporting 128 bit encryp-

the addressed.



vice as an email scanner. However, the

# VIA FACSIMILE: (631) 474-2677 (2 pgs.)

Debre Padrick, Divata-Therifesi Predastes Character and Perceptus

Priday, July 01, 2000

Particulary Separation 1500 W. Office, Suite 200 Burkenth, CA 91522 910-971-1232 Perc (918) 971-1238

WARNER BROS

2600 Hacker Quarterly 7 Strong's Lane Semuket, NY 11733 Bus: (631) 751-2600

Rec "Swordfish"

To Whom It May Consens.

Warner Bros. respectfully requests permission to use "2600 The Hacket Quarterly Magazine" as background scothesing/peop, in, and in connection with, our feature motion picture, currently entitled "Sweedfash" (the "Picture"), sturing John Trevella, sed in connection with the distribution, exhibition, advertising and other exploitation of the Picture, by Warner Bross, its assigness and Scensors, in all media whether now known or hereafter divised, in perpensity throughout the world.

You understand and agree that Warner Bros. owns all rights in and to the Picture, and that we will be the primary worldwide distributes of the Picture, and that you will make no claims or demands based upon the above mentioned use. You represent and warnet that you are the owner, or the authorized representative of the owner, of the rights herein granted, are authorized to except this letter of consent and that no third party perceivables are required. You are granting this consent for no compression, but you understand that Warner Bros, may rely on this consent if it elects to include the above material in the Picture. Neither this letter, nor the request for this letter, is intended to dimensibly Warner Bros.' right to use the material if and to the extent it would otherwise be permitted to do so by applicable lews.

Should you favor us with your consent, please indicate so by adpling to the space provided below and faxing back to me at (818) 977-3288. If you have any questions or comments please feel thee to call and at (818) 977-2182. Thank you for your courtery and consideration in this matter where time is of the easence.

Nume:

HOW'S THIS FOR NERVE? ON THE SAME LETTERHEAD AS THE COMPANY SUING US, THEY ASK FOR PERMISSION TO USE US FOR THEIR PROFIT, IT'S AMAZING HOW EVEN WHEN THEY RE ASKING FOR A FAVOR THEY SOUND THREATENING!

CAN YOU SAY

Wanter Brow, a division of Thise Wester

BY MARKET COMPANY, LP.

WANTER COMPANY

WANTER SOUND THE ASKING FOR A FAVOR THEY SOUND THREATENING!

CAN YOU SAY

WWW.FUCKWARNERBROTHERS.COM?

The Making of a Pseudo-Felon



by Brent Ranney

"I'm bored and depressed. I think I'll hack extenders for seven days, 24 hours a day. It's relatively harmless isn't it'?"

At the age of 19, home from college, around the time of Thanksgiving 1993, I used a 386 computer, a special computer program, and a 2400bps modern to conduct backing activity on midwest based LDDS Metromedia Communications - to obtain phone access codes through its service. In other words, I tried to cheat the (elephone company.

In the middle of the night, I took a printent of access numbers the computer program generated and strolled over to a pay phone. I tested every access code. They all failed to work despite the computer program logging them as valid with a carrier signal.

When I returned to school, everything appeared normal. I was oblivious to the fact that a federal search warrant had been obtained to search my dorm room.

My friend and I were unaware of anything amiss when we entered our dorm building on an early winter evening. An anonymous student had tipped me off earther in the parking but that the school was considering me as a suspect for internal PBX abuse. I was not involved and knew nothing about it.

Before we entered the elevator to reach our floor, a student bellowed, "There's FBI agents running around on the 3rd floor!"

"That's our floor," I thought. "It must be drugs or something." I felt had for whoever was getting arrested. Though feeling uneasy, I garnered some comfort in thinking it probably had nothing to do with me.

A podgy man, his face almost blush-

ing, was standing in front of my door conspicuously. The guy greeting me out side my dorm room happened to be the area manager of security for the local telephone company.

"Are you Brent?" be queried.

"Yesss," I said.

The phone cop turned around to face the door. He knocked two or three times financiately the door flew open and the barrels of small hand guis were pointed at me, wielded by men dressed in what you might call "land warrior nerd" attire They were wearing tolemarkete headsets and I heard the cracking of walkiestalkies.

I don't remember the specifics. All I know is that I was facing the other way, my hands against the wall up above my head, "What is this?" I asked.

They frisked me and my friend. "Do you have any weapons? Any knives? Guns?"

"No," I said, flabbergasted. On cue, an agent flashed his ID. It wasn't the FBI after all. It was the Secret Service.

after all. It was the Secret Service.

I was shocked, Everything seemed to
go in slow motion. I didn't feel like it
was really happening. I was so nervous.

I asked for a lawyer. A couple of hours later, I found myself in an empty bolding cell, after submitting to finger-prints, pictures, and idle chit-chat.

I bid a friend, whose father was on duty as a cop the night when I came into the police station. "He looked like a stereotypical backer," his father later told him. Apparently the man had seen a lot of backers coming through the station (small as the town was) and he could spot them immediately.

Before I was left alone in the cell to lament my sins, another cop stayed be-

boy, oo matter what you think." hind and eyeballed me for a long minute. ing to get it bed boy, and you are a bad His look shot the message, "You're go-

my electronic possessions. They had to my dorm, a new man, stripped of all had, every disk, every issue of 2600. A quishing some of my rights. I was retaken every computer-related article i leased from police custody and returned l signed a warver for release, relin-

created painstakingly 330W computer arreverything was stroyed the mostly broken. my conviction, Just wish they ear later, after

anoing sen me as I bid bim you get away with it," my pofarewell. "I hate protessor told litical science school, "I hope trom the 1 willidnew

company," he

aware of - people who were profiting on other people who committed crimes. was with him - always present, under DOR'T TROP told them about real criminals I was plicitly pressured, to reveal information from The X Files. I was encouraged, imsome shadowy pretense. like cancer-man Whenever I met the agent, the phone cop Secret Service agent again at a later date I met with the

phone company contacted my mother and promised I would not be arrested or manager of security for the local telecrime. Prior to my actual arrest, the area and divulged every detail about the was responsible for \$100,000 in dam-Incy just wanted me to stop. He told her I prosecuted, with the understanding that ted illegally obtaining the access codes In these closed door sessions, I admit-

> cooperate by disclosing my whereabouts white he. He told her that if she didn't ages. Unfortunately, she believed his she would be an accessory to the crime

codes with intent to defrand." I was sentended to three years probation, fixed plead guilty to "possession of access ployed on my mother. A year later, I knowing of the unscrupulous tactics emopenly confessed to involvement un-Regardless of what was promised,

\$500, and ordered to parclothing. months. Throughout my history, What I did posticipate in a a balfway penchant for black sess was long bair and a for drugs. I had no drug probation, I was tested

though the focal any of the respective long distance companies losses were reported by a felony charge. No is federal and therefore terstate characteristic it state. Because of this inand one reason only; the felony for one reason used to call out to any access codes could be had tampered with, al-My offense is a

Jor" cases such as mine. fees. The judge and prosecution rationalof about \$17 to \$30 in administrative investigations and prosecution of "maized because of the cost related to ized that taxpayers are indirectly victimcompany claimed a loss

honostly, I probably wouldn't be here to would have emerged a survivor. Quite spent a day in jail. If I had, I don't think think of myself as lucky to have never deal he's endured with the government. I I don't envy Kevin Mitnick for the or

and Steve Jobs co-founded Apple Comneus to anyone. Before Steve Wezniak of employee I am. Many youths do stuthis felony, reflects with much accuracy pid things which aren't necessarily injuwhat kind of person I am, or what kind don't think this mark on my record

> turn into quasi-responsible multimillionputer, they "cheated" the phone company with a device called a "blue box" while in college at Berkeley, CA. Didn't they

caught"? of a crime? Simply speaking: "Don't get the scale in which we judge the seventy police sponsored programs. Is this to be tinely turned away convicted felons per said to me, whose rental operation rou-They didn't get caught," a landlord

abolic monsters? thinks hackers like Kevin Mitnick are dia crime of violence and a recreational let Letter to the uninformed public who How do you explain the proverbial Scarbacker. I don't expect there ever will be. There's no distinction today between

I did back in '93. But society shouldn't him so were many lesser-known hackers. terests of the multi-million dollar corpoexaggerate the impact of it either. The in Kevin Mitnick was silenced and before rations have been protected, rest assured Seven years later, I don't justify what

telon for life appears, no expunging. I am a convicted The branding is done, it's over. No

a lifetime felony conviction for a college result of manufactured propaganda to sway public fear and distrust? Is this the nor aggravation of a corporation result in serve corporate interest? Should the mi-Are we to be made as examples, to

to make a few free phone calls. have never done for the sake of curiosity responsibility for something I should I'm not hiding anything and I accept

subversion of a nation. codes to be of critical importance to the consider one guy with a few access person despite Ma Bell groupies who not having "criminal thinking patterns. government and labeled off-the-record as I've always considered myself an ethical was psychologically evaluated by the genius, but not a croposal mastermind. I Kevin Mitnick is, dare I say, an astute

disproportionate consequences dependproperty. If you are thinking about tinlaw involves tife and timb or involves ing on whether or not the violation of the kering with the phone company or other Not alriding contemporary law bas

> example of length of sentences served. consider beating your wife instead. By mega-corporations, think twice. Then

a red box this act is more acceptable to our society.

But, God forbid, "Don't get caught" beating your wife while in possession of

### Afterthoughts

when it threatens my well-being. Paracowardice, but I capitulate with tyranny pay of anti-backing. Call it fear, call it I am 100 percent dedicated to a philosoself privy to the latest backing toots. I strued as illegal. Frankly, I absolutely activity - anything that might be con-I've ceased participating in any hacking shudder at the thought. I don't keep my lied from gray areas of computer activity Since my conviction in the early 90's,

odds is not my cup of tea. But there are America and in third world countries the staff of 2600, and nameless others in know them: Bernie S., Kevin Mitnick others, more countegeous than me, who raising arms against a million to one stand up for myself. But the futility of nota is now a part of my everyday life. face these odds every day. You may I wasn't always that way. I use to

me a visit Like Bernje S., they might want to check my wiring. the SS thinks I've somehow resurfaced as a threat, they might concervably pay the Secret Service peruses 2600, And if with my real name. I fear I'm jeopandie. ding of our imagination, we can assume ing my well-being. Without any prod-By writing this article, authoring it

different? how is writing an opinionated article any domain name like 2600. But I wonder, baven't voiced my disapprovat in a telling a story and offering an opinion. I I don't have a vendetta - I'm just

of freedom more than any backer. judge these people. They generally rewas treated humanely. I'm not going to from.) Perhaps this threatens our rights these laws directed at hackers come tect Corporate America. (That's where that pulls the government strings to prooccupation with power, an anistocracy spected me and I respect them. I do think in particular the probation department, i they be part of a larger problem - a pre-To the credit of law enforcement and

# Flaws In Outsourced ECommerce Systems

by Dean Swift

I have been asked to write about flaws in ECommerce systems, in particular, systems for which I have written my shopping basket soft-ware. The general trend that I have discovered is that early web site that has third party credit early processing usay be subject to a particular class of implementation flaw. I discovered this accidentally when interfacing my software to third party credit earl processing software.

Few people write interfaces for ECommerce systems because numerous solutions have been written already. While it's productive to re-use existing software, potential flaws in a system are left unchacked. A flawed system can become popular because new users may assume that provious users were satisfied with criteria such as security.

I had written a shopping basker to the cract requirements of a clocking web site. One of the roquirements was that the existing workflow (FTPing web pages) could continue. Another requirement was that the existing search engine listing could be maintained or improved. Another requirement was that the stary changes would preserve the level of compatibility. A further requirement was that it should be cheap to host. I was unable to find prior art which met the requirements, so I proceeded to write the software to specification.

This was the first version of MTECS (TM)the Multiple Tier ECocuracine System. The system is encapsulated into a number of stages or
tiers. Unlike many layered systems, all of the
thirs described are presented to the end user as
web pages. Each fier can be bosted on a different web server or ortsourced to a different
party. MTECS Tier L is an optional program. It
transparently modifies the web site to propagate
a session key in the absence of cookie functionstily in the web client.

MTECS The 2 is the shopping basket; a construct to allow more than one type of product to be accumulated before purchase. It was intended that further tiers would be added for payment, although Tier 2 functions as a stand-alone program using the "Print" N" Pust" (TM) occlering system.

After architecting and implementing this solution, the customer facility not to deploy the software, which left me with software supplus to requirements. I was determined to use the soft-

ware and it was re-purposed for digital books.

(http://www.greet-books.com/), hydroponics (http://www.eso-nerely/forponics.com/), seeds (http://www.puicks.seeds.com/), power tools (http://www.bonter-tools.com/), my personal web-site (http://www.gandafluserx.xir-tune.com/), and other web-sites.

Each web site required the software to be adapted or required utility softwire. Forthestely, the requirements were not so demanding that other softwise would have been suitable. More fortunately, the initial web sites that require credit card processing and depended on the standalone "Print "V: Post" (TM) ordering system, which is more affectable and low in risk.

This changed after the success of Esoteric Hydroponics (http://www.esoterichydroponics.com/). After adding MTECS Tier 2, without credit card processing, return on investment for the entire web site occurred within two morths. (It must be stated that the web site was fairly active with 4400l hits per month before the ECommerce software was added. The web site is fairly large and the URL of the web site is advertised in organing, targeted, print media advertising compaign. Additionally, the web site is distributed to potential oustochers as a platform independent CDROM.)

Esoteric wented to add credit card processing to obtain more revenue and to keep alread of competitors. A successful system would also be referred to Pekka Seeds (http://www.pokkaseeds.com/) and Hunter Teeds (http://www.hunter-coels.com/). We evaluated the coest of processing credit card transactions and soon discovered that for small volumes, it would be cheaper, exister, and more secure to outsource.

Obviously, it was ensole to choose a company with established procedures and it was desirable to choose a company with low charges. There was also the stated requirement that the company should be hased in the same country. This would reduce risk, simplify payment and minimate potential problems and associated cost. The market leader in the UK.

NecDanx, was immediately eliminated, due to excessive charges and direct experience with the company.

We agrood upon WorldPay PLC (http://www.worldpay.com/), due to perceived technical competence and low initial costs. I was required to interface my software to World-Pay immediately. WorldPay bas a 24 hour sign up process, although delays were ecocumiered. WorldPay roduces costs by leveraging bank authentication processes and requires that signatures of representatives are confirmed by a bank. This requires a meeting with your bank manager and additional paperwork before WorldPay approval. WorldPay also requires a Direct Debot to be established before approval, presumably to ensure continued payment for service.

WorldPay also performs their own the diligence, at cost to the customer. This means that an organization failing this process does not get a full refund. Fortunately, some of the administration can be processed while web site development occurs. Two weeks later, after much paperweek and two days of programming and recting, it was done. Unfortunately, the software did not occursely reflect the business rules: haggling.

Eseteric Hydropoxies allows discounts (on large volume purchases only). Of course, this want have to be provided securely so that it would not be open to abuse. I began writing a passworded utility to allow the insertion of a passworded utility to allow the insertion of a rogative price, although this, quite sensibly, was not accepted by WorldPay. Then I considered writing a utility to dump the existing catalogue as a web page that would allow prices to be changed. This would sideskep the fixed pricing restriction of the shopping basket.

MTECS Tier 2 (the shopping basker) already bas a utility to dump catalogues as HTML. After the catalogue has been uploaded.

a CGI script can return a section or all of the catalogue as a web page. This can be modified and inserted into the web site as required. All that was required was an additional format for the output.

Unfortunately, this would be a massive security flaw. If the corput was obtained, it would allow anyone to purchase acything at any price. With trivial modification, it would also be possible to order nonexistent items or items with subtle changes in description. This remains a problem because suyone with sufficient information and expertise may be able to implement such an attack.

Fortusately, Exoteric is already alent to such practice. I bid demonstrated how easy it is to change prices with "Print 'N "Post" (TM). This facility is little more than a construct to ensure a legible order is received by small med. If someone accidentally or malicinarly modifies the products and prices when placing an order by med, it taskes little difference whether the order is written or printed. Obviously, it requires more skill and effort to malicinarly modify a web page, but this shows that computer curput should not be trusted.

This left the matter of third party credit card processing. It is hard to obtain specific details from WorldPay. Indeed, I was unaware of some of the best fectuated features when WorldPay was selected. Nevertheless, with a growing client base, it is only a matter of time before such an attack would be attempted on a success full web site such as Easteric Hydropouts, I immodistely informed the electric flyth party informed the electric flyth party informed the electric flyth party.

"That can't be right: we use the same system as VictoriaWine." Well, 35 minutes later, I was able to purchase wine and pay the amount of my choice. This is quite worrying because VictoriaWine (http://www.yistoriawine.co.ule) is a well known brand in the UK. What is more worrying is that VictoriaWine doesn't use WorldFay, as previously stated VictoriaWine uses DataCash (http://www.datacash.com/).

Yes, we laid cracked two croft card processing systems within an hoar. How many organizations have this problem? How many organizations have this groblem? How many other systems have this flaw? I attempted to find other asstomers of these systems without much success. Both companies are discreed about cheets. Attempts to discover hyperlinks to the flawed CGI failed. (The search engines Altarysis thep://www.alta-ista.com/) and lafoSses' (Onp //failossek.go.com/) allow searches by URL and by hyperlink, but 60 not record hyperlinks to CGI scripts or "secure" web pages.) Attempts to search for references were dismal. Most organizations tood to omit the fact that credit card processing is outsourced.

you will be unable to purchase anything. with your postal address and credit card details are not willing to supply your e-mail address mail address, so if you don't have one, or you pletion of a survey. Every order requires your e but requires a valid c-mail address and the comto complete transactions. Purchases may only (http://www.victoriawine.co.uk/) redirects to a be made by registered users. This is automated web site that has frames, JavaScript, and MacroMedia Flash. You must enable InvaScript As of May 2000, the VictoriaWine web site

have created a test acrount: before purchases can be made. It is quite real customers. Fortunately, for our purposes, I lenigthy and intrusive and likely to discourage The demographic survey must be completed

user: billg@nzicrosoft.com

222222

presented with the form to enter credit card do ent purpose and after a pregnant pause I was ment. From the shopping basket, I accessed a basket and then proceeded to credit card pay this system, I placed some items in the stooping be used to purchase test items. When I first used Should this account not work, any account can various parties over a period of three weeks. tive and used for private demonstration to tection of suspect activity, this account was acconfirmation, wep base that served no appar-Despite statements on the web site about de

ered that the credit eard form was on the Datanew window. Repeating the process I discuyovercome this, I opened the context frame in a browser because it was a trained web sire. To was unable to view the URLs in my webbook a few web pages to the shopping basket. I Let's examine that in more detail. I skipper

> customer during normal use. Cash web site. This would be transparent to the

accessed it with my web browser. consisted of a form of hidden fields, including dumbfounded to discover that the first web page less, I saved the page, modified the price and lavaScript. This is appalling practice. Neverthekey, automatically submitting to DataCash with the total price, e-mail address, and a session decided to investigate each page in turn. I was aWine URL the other with a DataCash URL. I both appeared to be blank, one with a Victoribefore credit eard details were requested. They two intermediate web pages were accessed With the frame isolated, it was apparent that

is there any verification? would happen if a stolen or fictitious credit card is used? This was the most prominent concern: tion could proceed so far. Furthermore, what Hydroponics, they were alarmed that a transacstage. When I showed this to staff at Esotetic site. Now we are at the credit card processing the price of my choice on the DataCash web out the form to DataCash. I was presented with the web page was scripted to automatically sub-I was briefly startled before I realized that

is performed other than checking known stolen it was discovered that no credit card verification satuation would be the same with NetBiox associated with NetBanx, so I assume that the will be supplied by NatWest, NatWest is also lean is scheduled for April 2001. The system candholder's address via WorldPay. Such a systhis information. It is not possible to confirm the customers, but does not entrently crosscheck numbers. WorldPay collects addresses from finally speaking to a representative of sutherity. After a long telephone call to WorldPay and We attempted to provide our own verifica-

tion because third party checking was not of a sufficient standard. We investigated WorldPay. obtain sufficient information from various procedures but were unable to

that incurs the cost of fraud. A card numcompany encountered, it is the merchant were unable to find a company that ing ousts. Ongoing oosts are typically 2-10% per transaction, although many costs may be unsuitable for low volare typically done in house. Additional guaranteed payment For every charge a fixed rare for debit cards. We urnes, but generally lead to lower eagowidely, as does initial costs. High initial hardware and software required varies for larger volumes. Very large volumes for small volumes, others are stirable volume. Some companies are suitable nies are differentiated by transaction In gazeral, eard processing compa-

> cessing company, and the metebant, it is the met be an unreported stolen card. others that invariably loses. At present it is the customer, the credit card company, card pro-Indeed, in any ECommerce dispute between

ber approved by a card processing company may

level of fraud is too high. to 50 months affect the purchase. Sn, an initially a "obatgeback," which may occur at any time up edge of the purchase. The merchant then receives prontable enterprise may become unviable if the bolder to purchase goods and then deny knowl possible for any unscrupulous UK credit card

by WorldPay. WorldPay was contacted by tele-phone for confirmation. The origin of the card cated to obtain the total. The card was approved due to vested interest of an eight percent commended that the transaction proceed, presumantly could not be determined but WorldPay recomsuspect because unnecessary items were duplithan 2000 pounds, was placed. The order was system going live, a suspect order, slightly less ample, within 24 hours of the Esoterio/WorldPay EVery transaction may be transmitter. For ex-

an overtly tolerant company. would be quite reasonable to assume that the application form was merely a formality for such perionics that such companies are lucrative, One skewed customer base or knows from direct exfor collecting soods. WorldPay either has a very egery. There is a category for pyramid solucions, classified. Staff was upable to find a suitable cat controls categories for sex, but nothing suitable question asking how an organization would be form, you would be very surprised. There is a WorldPay. If you saw a WorldPay application mission (160 pounds). Furthermore, Public Seeds was rejected by

shock. The whole affair has made my clients dis each of the two companies has a prefitable web illusioned with ECommerce, despite the fact that This made the rejection even more of a

size. Staff find it po-

WAS SELECT confidence in the it not for a lack of card payment were system and credit DRIBBO BOOKENSON pooled by God to the Hydroponics to po-Serie Ironn Esolemo risk. The CDROMs bad service, without mes provide such a processing compabelievable that card Stationed Room

WorldPay elicon Was emportated By accoderd, a

> demain, it was discovered that browsers too. During an attempt to register a badly written, that it fails to work on NetScape names could). The web site uses PHP3 and is so is called JustNames, Co. UK (http://www.justduring decisin name registration. The company Communicator 4,72 and presumably other web

Just Names Co.UK uses WorldPay and that the

Obstoc orders are scrumnored. class products unline. Many EConnectes web tecting suspect activity, but only because ECom problems, if at all. Many organizations are desites are relying on mannal procedures to detect price to pay appears in the web page. It is becoming too easy to fraudulently pur-

have some explaining to do. mented. Credit card processing companies are to the problem, none of which have been impledissuade potential clients. In many cases, the icfance approach to integration, so as not to WorldPay, DataCash, NatWest, and compensors taking fat commissions for insufficient service. mefbods remain open. There are many solutions cure methods are employed, while inscoure regration method is insecutor. In some cases, seing companies are taking a path of least resistotal to obtain from the customer. Card processgrated. The credit card payment system is useand credit cord payment systems are loosely inteally on another server and merely receives the The problem is that most shopping baskets

merchant pays the price when mistakes occur recury the simulation is tendy, in every case, the tampered with. This information is being trusted ficiently. This occurs knowingly and action to some companies are not verifying customers sufby the servers of eard processing companies web sees have common flaws. Chirical data is there are other tapses of security. For example, being passed via client software where it can be Basic security is being ignored. Namerous



# READER DROPPINGS

# How Verizon Sucks

#### Dear 2660:

Think about it. If they can sue you for covering we internally such soon is exame a they come a mark of "Vericon" them why don't you get a trademark of "Suels," and see them for one hing we increasely com? Use their own methods against themselves.

You'd be attended how many people have suggested the same thing. But we'd number wis on our terms instead of atroping to their level.

#### 20007 JEST

I just fielshed reading the summer issue - great work! I particularly liked the "Over the Vericon" feature or page 16-17. They certainly bought a shifted of fames. I myself bought vericondustative expectation from register come and using their handy-should reduce them to pointed it to 2600 over (hope you don't mind).

#### Kenda

Then if we did, you have every right to point wherever you wond. He cannot let that he taken away

#### Dog 2600

I'd just about finished the latters scattor, of the Simmer 1900. I mean 2000, issue, and just for a laught thought I'd see what was available for the Vericon domain names. I went to Network Solutions for the Colorian See as well printing that it'd be taken (it was) but the following: vericonstack sees not vericonstacks at Network Solutions were not enough to suggest the following: vericonstack was not, vericonstacks as one, evertronstacks as soon.

Mouter inmendesses com, valuomeneksessonline.com, and vericonourdessescenred.com.

Oh, and by the way vermonsucks donkey assumes is exactable as well.

#### Fifthyrod

Dear 2600:

I noted with interest when I read the Sommer 2000 issue that Verloom has co-epited the peace move regraded said is, in fact, trademarked. Yep, that 's right, Trademark is bad by the Campaign for Nuclear Distribution in the UK. (The symbol is made up of the samplified for N & Th.) Of course they don't really pursue it much well not against ordinary folias. But they have no illusious about the nature of sournbug corporations. Perhaps your bowyers should get in teach.

#### Alterego

#### Desir 2600:

After reading your tricks on Vericon domains and getting a-mail from giather that they were forcing all their wors to change their e-mail to verticenties, I de-

cided to register a few e-mail affaces. I was pleased to find vention sucks 2 general and wention or sucks 2 general and wention or state when When they get conversed, the aliases should be vention sucks 2 vention and that I should be using a cable internal provider by them).

#### .

#### Dear 2600:

I just lead another idea for Verloce to clear with.
Why don't you file cybersquading cleams against.
Verloon for Verloce/Surda.com. After all, they nock the
same you planned to use and they aren't using it, are
they?

# Trouble Maker from Way Back

More Corporate Intimidation

#### Dear 2600;

those of us who know about their stimy ractics and feating sites." You know, as in defeading the right of claim about copyright and trademerk infragement gready, overboaring ways? Keep up the good work at they'll ofways have a hard time making friends with they clean up their acts when it comes to all this cosp free speech. When will these parasites Jeam that until sets." Personally, I call all sites of this assure "do when they're sayding to shot down all "offending charteng they suck? Not to mention the B.S. they hally wonder why people would want to start up sites And these greedy, power bungry, mega corp giants ac-Book. Studies stores; etc. It wouldn't shock me if I Sports: all of Atlania's sports teams: Stores: Warner croSoft. Where does the great (and the insunity) and? were to beer that TW's next move was to buy Mitoon Norwork, HBO, Cinemax, the WB Network about just how much TW owns. Internet: AUL; Teleto call them, Stime Warner), it wasn't until the whole vision: TBS, CNN, TNT; Turner Classic Movies, Cer-ABC vs. Time Warner dispute that I started thinking life, eo peratien known as Time Warner (or, as Hike buy 'em all out and make 'em pert of us. Monopoly humor). I've began thinking about the overbearing. deal (thanks to corporate America's lack of a sense of glomorateSucks.acati parody sites got to be such a big You know, ever since these whole CorporateCon

## 763 31337 pHx34k4x6id

trying to provide something of a wake-up call to these

Thanks, except it's not there we're styring to water ap, As long as institutionally get the water-up coil and are initially as waterd up to these glasses, there is large. Incidentally, as of right note the Time Harmori's OU. Seed that not been foreigned.

#### Car 2000:

We are filing a Class Action suit against Yeboo! and we are trying to rally support. Hope you can help A Sadaral judge undered Yeboo! to respect to a re-

quest for a preliminary injuration that would possible Yahoo! from baking book e-mail messages to conveciseli used bear from account bolkers. Yahood sensell account members with a ish to qualify to join the class lawsuit can ensoll on the by completing the guesticatains at a www.ExpertsAtLaw.com. This is believed to be the first time the latter for has been used to ensell therefore of a class satisful low stor.

Yahari blacked access to the e-mail account(s) in warmps to obtain personal ends's and information be fore allowing access to e-mail correspondence mely artthe grider of approximation required in the newly artsoned Children's Online Privacy Protection Act (COPPA) that become effective earlier this year.

You can also o mail the head lawyer for more infor all; yahooclassaction@aol.com.

#### .

#### Dear 2600

I picked up a copy of our level paper yesierday and in a small but on the front page was this headline. "FRI Conducts Raid." My first thought was what the bell is the FRI doing in my suburban flowton neighborhood "Amethering a mo?". The house that was raided was only three blocks from where I live seed, "according to FRI afficials, the mid was part of an outgoing criminal insustigation. The warrant was conserved to at [ws] Mocoor Proute Association of America Investigation... FRI officials would not to lease any information but said a press condenence would be held at a boar date." What do you think the FRI was boeking for there?

# The price would distinct some port of pitrating upwership of the annual distinct some port of pitrating upwerships and the work that way things that with the MSA, is could have their some been going tasts with the MSA is the annual distinct the a

# Dear 2000: Appropriate informationing contact with Verticon, Full fact to inform you that some of us our form keep series with the state of DNS. Not the setuply bad it with the state of DNS. Not the setupl DNS system which, amoningly, will seems to be functioning fairly well must of the time, but the means of exermential interests and policy self-out that makes up the ECANONNSI system we all have come to know and Joahe.

We've set up the OpenDNS project, for which there've with a web site or waw openite arranded assi. In a coshell, we're proposing a registrar which will be owned and controlled by the people who have domains registered through it. This registrar will ceadable to p level domains with definite themes and use politics which it will then enforce.

#### ndor

#### Dear 2600:

I'm thinking about registering the domain names 2600 tanks own and 7600 temperaturals, com. My question to you, will you fire off formal letters, six your logal team on me, or generally hands me until 1 give m? I realize you will probably take offerse to the 2600 temperaturals, com some our what right the you have restricting my freedoms? If on positions are altered the formating people for using "sucks" or "occuss".

is a domain same, what is so stop them from going aftur our thoughts next? Will the day some when if I say
"fock NBC" our load I could fine enders legal battles
with some facebox entity with millions of threa store
memory and resources than the? In Groung Orwell's
movel, 1898. Big Beather eliminates certain words
from the Impurge in evelut to keep people from thicking unserficed as thoughts. What would you gray do if
another company played your game and registered
"2600bbould-penal-connecyumstrpiddomannates sown"

#### J.E

We're susprised you have to set. At some point we have to drow the large and fight the intimization territor or we'll get to the point when people won't even be able to make the point where people won't even be able to make their mandates forester they want, but above their downths. And it's not as exponents as you might shirt to register downths, carriamly not as copying this point as copying the point of the point of the people of the point of the people.

#### Dyar 2600:

Was just reading the latest edition of Rechaslegy Investor magnetic and noticed their "Plebsite of the Month" was wew.chusebank.cock.asam. It lists complaints ranging from general screw-overs of their cascocies to injustiness to their employees. There are currently about 400 postings and there have been over 155,000 visitors, so the site has been around a white. I wouldn't file owner has received any threatening lesses from Chaste as you guys have from NBC and Verticor?

#### Secret Squirrel

#### Answers

#### Dear 2600

hope this information helps. while installing Otherns or other two-way table defor this other than troubleshooting autwork problems the stronger the signal. I haven't discovered much use the predetermined frequency, you'll saw a spike in the callutor to the cable has and sec it to send a signal at stalling broadband internet services ever the cable a ping reply, if you will. I've used the chancel in the frequency send by the technicism's meter. Kind of like in 15rd regarding the line graph on his hood television. stoes (i.e., digital cable, digital telephone service). I line graph on the television set. The higher the spike, network (specifically, Sthome). If you book up an ospest to measure return puth signal strongth while inware in the CO's head end that responds to a set work. The channel is generated by a piece of hindmeasure the naturn path signal on the local cable notservice. This channel is used by cable installers to harn writing to you regarding Shot Gaome's latter

#### drakte

## IRC Bitching

#### Dear 2600:

I just wanted to pits and morn about what picks were of the people are in the mIRC hashing diseasely bepectally some of the operators who just sit in there and kick unphealy who shown I allo about what they want to hom. I'll go in there to try and learn some-

kicked, OK, got that out of my system. going on and asking something and you'll probably be lighted and banked the from the channel. Try it, try as with no trial and then some asshole operator and I said how would you like it if you got locked in soled if anyone saw it. Some guy goes "lock Kevin" went and signed on to the mERC #2000 channel and Edits. I just saw the Mitrick dring on 60 Athansa and was asking questions! What a bunch of god dama ass thing or ask a question and I'll get kicked because I

Mockraker

HIRE WE CHENCISE NO CHIRDWISH CONTROL OVER ON INC. mend the 40000 changed on trac2000 and but, as alabout know which we were you were aspig. He necesschannel. He is some normenne well come along to comare independent, meaning they're nev or all linked. We world of channels and people - must of these senters And such IRC server connects you to a whole different pleas about that program you see and IRC in what you're entering. plenty to blick about, Archiveailly, schill in just the real life, where it counts, the guarantee you'll find It's IRC. Sove your inalignation at hyborice for

#### Dear 2600:

they know more. who think they are better than everyone else become eyeryone, even the and backers, are snobby pospikcause yours has degraded into a point where main name and are starting our own IRC server beowned server. Now we have registered our own dobecame of that we've moved to a small, privately what the 2600box IRC serves have degraded into, and times after I was searching through my logs. This is not isolated. This has happened to me millhors of a shell account in Windows. These two incidents are UNIX to do our ending. We later found out he was on beh, used linkers in Windows instead of campilers in did it. So then he came into my channel that I created, were in Windows and using maRC, and because we joke), and started yelling at everyone became they Philoso-humpers (excuse the name, it's an inside made one mad so I taked the person who did a why he outside of Xwindows on Linux?" He was flamed to new to Linux. The question was "how do I set up JYP coming in. The person had a question because he was person with the question was kicked and banned. That answer, he was kicked and, I found out afterwards, the periodly, and then when my friend triad to tell him the was sitting in allimax one day and he saw someone you can fizzue those who don't. My triend wild me he now trendy to use a type of UNIX over Windows on think I'm a fames.) Another thing, I have found it is Windows, (All this to explain to you why I don't use money and time to configure them. So I choose to use and buy these because I simply do not have enough curés or internal DSL modema. I do not want to go out lations of FreeBSD with the Internet, just so you don't FreeBSD and Linux computers duri't have eithernes #2600). My windows computer has DSL, and my been floried by people, saying I wasn't "cool" or IRC effect first is considered lame by the "elitists" on I guess I was wrong there. Repeatedly on IRC I have 1330 because I was using Windows and mIRO (an I thought IRC was for that, 2500 for Jear sing, but

FLAME COR

ito esindemin al for tissustane sagan than it does to critic SOMEWHENE. cite Europ because you got hisked off a Albust channel fine how the convergations for it makes no more sense IRC server. This just ion I how IRC works, Users derecords have so recorder and created all chalogge on our To arthress the little of attention between your want, we

Dear 2600:

of it or something like that, Biotica's speech or if there will be a written transcript passed became from 1 go to 112% and 1 was wondering if there will be very opportunity to maybe buy tapes of person out there to do it, so good job. Anyway, I'm keynote speaker at H2K. I don't think there's a better prised and happy to see that Jello Bigfin would be the I was at the web site one day and I was very suc-

to contact or to opening and all of first mail checkine 0.2600 com who has been kind enough or ampliful the to will to the porrequirection site, e-If you were a species at H2R or if you have pleases cathe down a little. Keep checking www.62k.net/post. audio transcripto up on our site as soon as tringe There should be imperioralisable room as well as

### Questions

Dear 2690;

table of contents in the 17:1 Spring 2000 issue? Why does ""revisi" appear in the last bullet on the

spologica for the confusion and incorrentence. hidden in their Issues. Others are Jeans As always, we н онда шед н бий арухоот по бы хідліўнаті спештерта hazard of the nightal age. Some people see small That's what is known as a printing antition it's a

Dear 2600:

pears and my screen tips herizontally. tria system. Then, after about half a minute, it disap-Black window appears like DOS window that keys may can belp me. Whenever I log on to Internet, other a There is a problem with my exempeter. I hope you

Karnal abbas

The medic is the Intensiet. We suggest going our

goers, either online or on VHS (or on DVD, heh)? Will Freedom Downting be available to non-H2K

Thoseus

Dear 2000;

is copy date? Can you e-mail me sample copy? place an advent in your newslener? How much? When There some work for a good backer. Would you

den hiske adverticing energy to our marketplane and Self-up direct rangely because they are hackers. The assignment to a short letter First, harbort don't go and You win the price for the largest number of misses

> ped and the e-mail. A sample copy is SS. than't only for subscribers. We don't charge for this. We don't have "copy dates." And we come out as po

# DeCSS/MPAA/DMCA

in media formers different than their outreat release studios. Let me say this. Illegal distribution of copy righted material is rampant within these companies. Distribution also occurs between companies of films I used to work for one of the "major" Hollywood

much blinded. A hand look at the internal policy and MPAA. The guidance of this organization is very attacking outside sources for providing these materiprocessions of each studio should be conducted before I wish you well on 2000 com's fight against the

that simple. (fewever, "simple" is not in their vocabumovie theaten to analyze Oscar nominated films. It is stiguid charge the policy to force member to visit To casely avoid illegal distribution the Academy Occar voting period so they can be viewed at home. copies are stailed to Academy members during the VHS has been extremely easy. It is because these being sinks to find an Academy only screening copy on in VHS format was available on Etoy. For years now, copy of a particular film (I do not remember the title) copy. The second was when an Academy screening available because a film critic rateased a screening control weakness within the "stadio system." The first distribution on the internet were the result of internal ones by third parties. However, two of the retent mawas a copy of The World In Not Exough becoming jor occurrences of films being available for I do not deny that pirrory occurs outside of the sea-

Y N

could understand mere. no time examining the DxCSS source code, wishing I porting. Are all the Mac programmers sleeping or unwhile Windows and Linux users are busy coding and the Mac platforth have simply boil back and wanched those who have been programming for many years for as a programmer and I simply earnor understand how leased a Mac version of Tx-CSS? I am just searing our I missing something here? In any case I am wasting Why is it that the Mac community have not re-

up a whole new world of litigation. Are you listening. Mac people? This could open Anonymous in Irohand

the interesting magazine. been able to keep up. One thing you might find interlot of Anime and this stuff is rurely ended for any reesting is that not all DVD's are region coded. Thus a U.S., it makes sense from a business perspective. gion. If the disk is going to not in both Japan and the Anyway, something for you to look into. Thanks for I've been trying to follow your case but haven't

"d for of part for the region could either But the en-

new rechnologies like HDTV if this is allowed to conthe same product. You can expect the same applied to green and on getting people to pay multiple since for stores, not the blood of which in that it's based polely on the region coding concept it flamed for so many non-

Dear 2600;

and also "Coming Soon To An Hiegal DVD." show Faturama? The noticed at one time a 2000 sign What's the connection between 2600 and the

Deerle

April While we don't want to pressme that this has many people are answerend interested in this case. asysticas, to do mitti as, you would be sugerised how tited near in the opening with to an episode afted in 2000 ance for we never sew a sign. The DVD refer-The know that they made reference to the your

Dear 2600:

pretty simple: to give you a good example. at this point. The reason I'm writing you today is now on the art. I have downloaded the entire archive I have insened to your radio program for your

of dollars to replace my music. for an outlet like Napster, I'd be spending thousands inserts are being matched to the albumy. If it weren't early as they were nearly transported from best dam. dett in the task. Nearly 150 afterny had to be therein chance. As seen as I could get a computer running able to, and as the mpage are burnt to new disas, the age. If suge as many or the Jewel case Inserts as I was I still have a good ways to go out I'm putting a teg. again, I begon downloading the titles I loss in the fire. bear the music I'd paid for the right to listers to? Not a in the best. Did that mean I was no longer allowed to my computer deals. The racks and jewel cases method was hanging in make with my wollware on one wall by owned. Think god for mp3's! My music collection reasonably well. But, the fire took most of what I Etends and my fartily. And so for, I've pulled through pieces as best I could. I've had the help of many ground. With no insurance I was left to pick up the On April 16 of this year, my home berned to the

Brad Braws

diskrare destroyed. llisten when we buy nursies or music, Using that logic heve that we are shipply bapting a license to view or Economy. The MISA and MIAA require title as to beex should will one the because a tien the physical This also brings up an interesting point his for as

Dear 2600:

pring on? up with all the confidential stuff? Was it supposedly ion that the Valentites (my word, sorry) didn't ware giving out information on how to tradle the encrypfrom (man, be's an idios) but I had to wonder what was I was grading with interest Jack Vident's deposi-

my pocture on x." "Well, one thing they (2000) do is make a shirts with But you've got to have the seen to be infamous

ferrant, we no think he's a for more on the ball than he While we don't believe Valenti writes his only use-

appears. For its time, e. when eached if he knew what Other was, Valend and he had were regard of it. Now the generationer was obviously affecting to the "new". Disc which to word to comprow relation signate. But she had been mad a competing extendered for DVDs, one which eventually proved subseccessful. It is inconvisible that Valent wouldn't have known about the old Disc if he way at all menhad to the network property to all menhad to the network property to the special provision, when he said he differ I know about Disc, the knew the quantum want to planting to the old Disc if that when when permit we had to that the new the old Disc, the knew the quantum want to planting to the old Disc and that planting that he had to have shown there was a ten out.

#### Dear 2600:

"Cable is to the Internet what lightning is to the lightning bag," said Jack Valenti, head of the Motion Picture Association of America, at Thursday's hearing." (San Prancisco Emurinez History, June 16, 2000 page 8-2).

Now, this kinds shit really prisess me off.

I like highting bugs. I have a lot of food mentaries of lighting bugs. Want surranes rights, may,
grain grain, ghilfriends. I dun't understand what the
first lighting bugs have to do with highting. And I
really don't understand what all of this has to do with
the Internet.

But if Jack Valenti is no friend of lightning bugs then he is no friend of mine.

#### Decius 65

#### Dear 2660.

At the end of the TV show Mystery Science Theainy 3000, there was always a shurt dip called a "Minger" which was a particularly bad part of the movie ther was funny all by Itself. In a way, it summed up just how ridiculous the practaling movie was.

Pollowing in the tradition, I'd like to submit this as a "stage?" for the recent Valenti DoCSS bestimony: MR. GARBUS: If I worked to met Schingler?

MR. GARBUS: If I wanted to next Solit
List at Black Busica I could do that?

MR. COOPER: Ambiguous.

#### Scott

#### Dear 2600:

I just finished reading your link to Jack Valenti's treatmony on DecSS. What a 145% ing record You'd think he'd at Nash how been coacted a lattle better found his attorneys. It's amazing such a prominent individual is so willing to make a total juckess out of binned! Keep up the great work.

### William Ryan

Interesting (). The judge administration in for quesdirecting bitterns at all, saying it was a worse of time. We shirtly was very significant in light of the previous comments he had made.

#### Year 2600:

After Luckad my marror to a few search engines, I was bored and decided in do a search for DuCSS, just to see those many links were broken. The first site I write to was a semplosely different place of software called DuCSS. It has no do with Cascading Style Shees. They have a paragraph declaring their moral support for the other DuCSS though Just thought I

should pass the link along, www.pigday.org/deass.

Believe it or not, some of the stees heating the fake". DeCOS have gotten stewart from the MPAA.

#### Dear 2600:

Utink your stand against the M2AA is one of the most admirable things I've beard of in my lifetime. Clearly, the easier path would be to change your site and forget about the whole thing. But you didn't. Some of the largest and most self-known composite things have tried to therefore and infimidate you, and you continue to speak the trieft as you know it. Intred by denirable. Please keep up your good week treedby admirable. Please keep up your good week.

#### oddy Ophile

#### ear 2000

Somed! On God, discuthis mean I'm a lobbyist new? that at least one man on Capital Hill is now truly ittions of a maticious minority. It is comforting to know of my way to clearly define what a backer is and write. exernetating detail the entire situation. I even went our been subjected to by the media as a result of the acasset of the demonstration we as a group base nothing about it, so I seek a few minutes to explain in con a shirt by the way). He said that he had heard MPAA suit against 2600 (I was sporting the hat and Ming is really big. I asked if he was familiar with the out to be a Senator from a state where riverboot gamnext to me with whom I had been conversing turned time. As face would have it, the older gentleman seated consume some overprised adult beverages and nice-Baltimore/Washington, I made my way to the har to On the way home from HDK I had a Jayoner in

#### Quilduze

# Ward Melville alumni 1981

Funce, this pay had to have rated for the Digital Millerature Copyright Act, which made the MINA lowest passible. If was passed unanimously, it would be take if every sension rould be made aware of the damage their actions have counted, it might just make a difference.

#### Dear 2600:

Just's quick extrement, Boes not the law state that everyone has the right to make a copy of facilit upex, software, etc. for themselves as a backup? If the issue, and I should be legally able to copy a disk as a backup, a topic, or a CD, then why act a DVD? If that is the case, then I would suggest this be brought up in court. A DVD should be handed as the opposition and they already be saked to make a reproduction for backup purposes as a demonstration to the court that they are not trying to stop people from making legitimate backups in accombance with our laws.

Blanked Out Unit Penty the court was muscoustic mough to these to such arguments. As it happened to our cote, the trace of four are and because of four are and beginning copies was death with the suggesting that who a get without the moulegy such as without per and make whatever region rings need in that way.

#### Dear 2600:

The idea that there are people in our government

con is beyond Eighbening. I know this isn't the first time this has happened (Ramie S., Phiber, Kevin, dat.), but it's the first time I've been able to keep in formed about it while it's godg ou, mainly due to your radio show.

trying to criminalize curbosity and intellectual stimula-

One thing I don't have is a for of nive to devote to taking off, picketing, and attending trials. But in place of that, I do have a good deal of trency to throw at things. I've denoted heavily to BFF with the explicit notice that the funds be tagged for your defense trial. The also interested if you have any other organizations representing you that would be encouraged by a document to take things like this on in the funds. I measurage other who are in a similar situation to denote as they can. Also, have you had any direct expenses in this trial, and if so where can I send a check to help with that famil?

There has been writing origining on our and - yet. If that should obunge, you'll been about it on our size. For now, please keep the demations coming is to EFF. And thanks for the support!

## Misconceptions

#### Dear 24000

First off, you guy have a lockass mag. There is no other reading material I look forward to excer. There's this older woman who works in my local BookSlor who always begans to be there when I go in I Defirst time the said something like "I wanta be a harder so I can charge my planes called to other posple." I sold here that if was against the law and sho gave me the dumbers look I we eye seen. Another time she said the wanted to be a backer so the could stail enable and numbers. I waked her if she'd ever tool a 2600 and kindly explained the difference between carbosity and credit card frank. Some people just then I have a class.

It's more tike they have their class configurated by the mass reaction. These generalizations are commons and they constitue to be perpensived, in can be fiverently but it is force to confinite to so, and educate people are not care arould the ladge Kuptan synthesize of directing against groups of people and actually applying the last objectively to them.

### More Info

#### Dear 2600:

In 17:2, Devil Moon's letter made me realize I should have added the following dischange:

"Nobody memorated in this entitle was here or injunct. Please do not under any discumstances attempt to rearrace the descriptions contained harrin as you and others around you could get hurt, arrested, or even killed. Driving or high speeds is extremely dangenus. Never attempt to turn off your headlights at hight while the vehicle is moving. Always wear a sent bed."

For those who do not work firefland in the autodissign industry, you might not know that we often get to drive, tear down, retrodic and rework cars of all

studels. Engiteers often get to modify and additings to sees that normally worldn't be on them. It's what we do. In fact we have a zer track right down the mod where we can push care to their limit. To what preference, above and beyond what they would normally endure day so day. And the next work is where testing should take place, not on the open road.

I did have knowledge of the car, I knew where it had come from, and I knew they had already been driven on the test track. There was a rush to fit new parts on all of them for the arto show, where it was to debut. At the time there were no enablems on the conhect There its X number and could have bedied up its name. We mostly refer to care by an X number. Their extensival number are rarely used.

Another thing be reminded ms of is I should have stood that these cars are not built for people to drive like mar cars. You should always obey the speed limit and drive according to the appropriate road coardings. Afficiagh case you're inside and behind the whoel, a metamorphosis takes over and it's very hard to resect.

Woods

The exiting at 75 right really wasn't a big deal, it was from one expressionly to another. The speed limit here is 70 mgh and there are no points added to your diversibleamed until you go over 73+ (on 1-75 express). So 75 really ten't considered much of a big deal, not even by two enforcement. Especially so to big enough deal in label semicone a "complete assible let "Ar 4 am. 1-75 is relatively vacant except the condens. Many a night.1 have driven for an lover bone and semiless than a down even

The reason I wrose the arricle was for those who might not be up on today's schoology who doe't follow the price and publications. I thought people might find it increasing to learn that we are not just working on safety and more gavenergy efficient vehicles (the ones most people think our auto incharty is brading to). Even though! will never be able to afford one, I at least understand what is possible and what today's testinality; is equable of.

#### SLATAN

#### Dear 2600:

In 154 the letters section mentioned that Mappest will point out the location of a CO in response to at area code and exchange. There is a more direct way to get this information. Feeding those numbers into the form at www.dsfrepers.com/cointo not only returns the address, but every exchange served by the CO, its ments, ewant, and all the services available from that office.

#### Nr 2600:

In response to grissal variate "Securing Web-Sines with ASP" in your Spring 2000 issue. I thought I'd provide some additional information that your readers may be interested in.

Under "Making Sore Valid Users Can See Only Their Information," guitest makes mention of returning the referring page by calling Request.ServerVariables("HUTP\_REFERER") guitest own right in that you can't fixed the browser - but you can food an ASSP page into thinking it has some from a valid URL. The

HITTP REFERER request samptions) a proceedal problem in using only the following reclarique exposes (by making a few as

the ASP page into thinking we've come from the cormated to http://www.hack.org/hack.sap.having fooled Finally, by clicking a hacken on the form we see diappears and our browser thinks 3 is at microsoft.com winblows'stacker:htm into our browser, the page backgasp. Now when we type http://microsoft.com/stackers.htm file pointing it to http://www.hock.org/ Withhows's tacker. Mm and odd it to the fist of paths in Internet Service Manager. Add a form to the Next we need to create the path 'incipation's wroodour local web server. You could change the value type in Microsoft.com in our browser, it will point to in winiteystem32'drivers'ext. Now whenever we "127,0.0.1 separes Microsoft com" to the HOSTS file Microsoft.com. Do this by salling (on one line) referred by http://microcoft.com/winblows/http://www.hack.org/back.asp into thinking we were stackerships. First, let's create a localized version of 123 0.0.1 to the IP acknow of your web server instead. As an example, let's say we want to feel

your eache before experimenting: were set only at the root level. You may need to close tion's pages on the same size - assuming permissions (at least in theory) gain access to another organizathis technique, a valid user of one organization could stallations, but you get the idea. Notice that by using This may need to be tweated a little for sequent-

Dave/Adelaide

cess will call to obtain another logar option. tem. The curd can get less and a next who needs acout the flaw at any type of runnels eard accessing sys passende and all you have to do is login. This points is convincing, they will give you the ID, pin, and staffers there (or the department generally). If your not cureID connected to the general login ID of one of the to login. The helphase will always have a spare Sethe helpdesk presending to be that person. Tell them cureID protection is to obtain the name of an cureID, the castled way to had into a gatern with Se you lost your ID on the plane, etc. and you are trying employee (preferably someone high up) and call into In a followup to the article regarding the Se-

#### Jerem)

#### Dear 2000:

ary way so it disean't make a difference to me, but if keep it moving! I always have my music on blasting turn on your sub wooder. You have to have one that so you could do what I did. I have a sub wooter, a gives a good kick for it must vibrate the mouse to top of the wooder, put the mouse inside the box, and shoe box, and Gos Trance playing. Tape the box to the oxose moving, it will be you as "browsing the web" that if you stay in a web browser and keep your bit is mouse and application sensitive only Meaning and thave found how the view bar works. The view All/Advantage by silicon &ill in the Spring 2000 issue. on days recommends or neighbors who don't like head Fread the article about Taking Advantage of

> and they like my staff so it works for me music that you can hose chordy three blocks away, moving. I five with a bunch of rayers (much like me) you should find a different way to keep your mouse

#### Caffeen Box

AllAdvantage when you tren't surfing, it's extremely easy. Just go to a site with a widware. The page tohas. Durn't windo as bestands my parents had AllAdvantage it tracked their Windows surfag. Please note that this is untested, as lost time freshes every few seconds so it thinks you are still downloads a new page/images/etc. If you want to use loading or refreshing in this case. When you refresh, it sort. It is extremely simple to keep the pages down-"Make Advantages of All Advantage" that you need to There is disagree with KingOin big (1) action

Mr. Roboto

#### Dear 2600:

potice transmission equipment. Maybe I'll start need-Door with the Ft. Worth police says if you off-the ing the Parsonal Tech section more often. obvious vegues for home-testing on how to jum the shelf stuff so the learning curve is lower. That opens homes or start searching your car became you have a eyerate small, meddie video eathers when they enter Bludowh stuff. The Edge tech will allow them with digital packet-based cellular at 19.2kbgs. They software is installed on Ironix XC6250 Pro Iquique not and it's made by Caruleur Tech. They say it has coming stuff. The software is called PacketClaster Pa-2500 in the passenger seat. The great part is this wiMr video in ceal-time, and they could use Blackgoth to 180stps connections to their cars so they can transmit also say they are planning to expend with Edge and scaure commertions via text to if can't be scanned. The article wasn't shout the current each, but some up and section only to laugh and make fan of the editor). The behold there was an article (for the record, I read that about the systems at police cars. I was reading that is ogy" section of the Daries Morning News and to and sue and fight after pulled out the "Personal Technolfound a little follow up into on bill's write-in

Bowman

system that he referred to. mate (1) enough to learn a little bit about the TLETS assue with libration's police department and their use stack in the USAF executity police darged was tortuof a lapsop in the cruises. Being unother former hacker A letter in your 17.2 issue from bill brought up an

of sores. Every state, as well as the federal and miliit's a system that allows a patrolimin/agent to pull up various "criminal" activities, as well to registrations the NGIC is around and operated by the URL Overall. tion Center). The NLETS is run by the collective states and the same may vary state to state, whereas is contracted to the NCIC (National Crame Informa-(National Law Enforcement Terminal System) which fexas. It's a system that is consocied to the MLETS System) is used in most, if not all, police operations in The TLETS (Texas Law Enforcement Terminal

> definitely not Windows, but I believe it no POS just about anything. We were running it on an older tory, Eee holder, addresses. Potent staff, it's capable preveior's cheeks, and so up). The vehicle/boonse plate being a "min system, it was graphically surjeped, and of ranning on laptops in vehicles, but it can run on vehicle is registered, stolen, partial registration byoptions allow the person to view whether or not the massing persons), and Securities (bonds, bank notes it basically falls under the same principal, it can view 386, which I was all able to view in depth. As for it Minerose Plotos, Vehicles, Persons (wants, warrants, tions: Articles (missing forms with mayorded satisf ment Terminal System)) at least tive different secfor least on the AFI ETS side (Air Force Law Enforce numbers such as cell phones or camera equipment).

Court Jester

In 17.2 bill wrote about his experience with the

of the Panasonic Toughbook (www.pansonic. data/mws520/index.html). were MW220 (www.moteonlecom/IMPS-/RNSQ/ com/computer/notebook/index.htm) and the Motorclas The Fanasonic laptage Bill saw were some version

each other through the NEETS (www.iden.og). similar systems. Those networks are connected to and other NCIC2000 enhancements. Most states have the bandwidth required for "livescan" applications ing converted to a satellitte based system to support 9600 bps store and forward system. Only now as it be instron\_management/described. Until recently it was a page on it, www.trdps.state.treus/director\_staff/inforcations Network. It has been around since the 1980's computers in policy cars and the "tee lits" network.

WSpend

imagine a might not work on any of these distribution, not manufacturing, therefore I would Land Rover), but as far as I know they only control nies as well (Volvo, Mazda, Jaguar, Avion Martin, and sers. Food also owns a number of fereign car compa-Ford and they use the same components in all of their coin, and Mercary. These are all manufactured by methods should work on any car made by Foot, Linthentioned in response to "Uncking Explorer," the In addition to the care that The Anfal Dodger

Immolation

to your ractio (which most are). Abuses For Your Barine Phone Tympet of the 1/8 wen't if you use a more putch used and a mone input may work with the purposes he described, if probably like most of the 1/8 plugs we deal with. Although it plugs in these types of phenes are stereo, not meno In response to Static's article in 17:2 ("Strange

Aram 208

f just his ded reading "Java Applet Hacking" in

bey agracies, have their version set up differently, but I cannot recommend any periopian software the class files. I have no direct experience with this so to descriptio union someone has run un obfuscator no up. If you onsignit you can use a Java decompiler to such as WiriZip (6.0 and up I believe) can open them mostly. They use standard zip compression so software an applied or application need to rest packaged up all of the reasonry class files, next, images, etc. that issue 17:2 and wanted to send a little more info about hunding for passwords useden, Java is apparently easy got the source code of the applies which should make Java Jar files. A jor file is octually just a sig file with As a soft delta, you mentioned that the run on

providing a service. service (you own the domain name - they are only two registrans gands not and docstercom. Both are about \$15 a year. The former has very gived terms of registrars. We'll, to reclase that benefit a bit. I suggest Venzon related domains is really only banefiting the

denning

# Bypassing Napster

#### Dear 2600:

The Texas Department of Public Safety has a web TLETS is the Texas Law Enforcement Telecommuni-

Neat a Swank Workstound: lies or I/r. Dre from Napster, I give you the Big Shiny For those of you who've been banned by Metal-

1. Click on STARTSRUN and type in regedu

When repetit is open find.

Jrass DELETE. on the napster folder and look on the right side of the folder one by one. Every time you find CurrencUser, side of the screen. Select every folder in the Napater and click on the plus sign next to Napater on the left strate. Saled the key Output Ost. Press DELETE. HEEY\_LOCAL\_MACHINESoftware/Aspeter, Clien

003483343341 A.3. When it finds a file, delete it. After sults" or something along those lines. hads. Continue until it says "Search Raturns No Royou delete it, press the F3 key. Defere the next file it opens type is: 35D38C13-1434-AB7E-Now press Ctrl + f. When the search window

do the same thing you did in step 3. ATALISCH 1985-5545 DACHSEASERMAE Now 4 Now press Cel + flagain. This time type in:

do the same thing you did in step 3. CADSON SUPPLEMENT OCCUMENTS AND NOW New press Orl + Cagotta. This time type In:

Restart your computer

count. Create a new account using a system and banned account e-mail address different than the one you used in your (User Seys property it will ask you to set up a new ac-Open Napster. If you deleted all the Curren-

8. Napser should be working properly now. Hedgecore

#### Milnick

#### Dear 2000:

really smart he would know cell phones are tracoble going to kill you, I know who you are and where you How would you feel if someone backed into your live" before he got bushed five years ago. If he were Kevin Mitnick used to make threats and say, "I'm

time you asked or extended the person who backed side of him someone to fix it. Can costs money. you, they just said you suck and you're laine? And if something you totally disagreed about? And every 2600 sets site and changed your index brol file to you have to stop what you're doing and fix the web

said your dixtr sucks and your look is a bubble gain. into your house and keeps putting up messages that This is like if a Look Master constantly breaks

you re doing, then you're not the best. The law is the law and if you got busted by what

even reflect them. "Your look is a bubble gum." monaged not to include any facts of all so we can't managed to slitp the retional pain altogether. You also that are severable restoral but wind up blowing in with some mane or hysterical stating. The however, Every now and then we get anni-Mintel feature

#### Dept 2000;

nught be interested to know about this. www.simfreaks.com/skins/index.shtml 1/thought.you loaded it. You can find the skin or Seeing his skie made me smile and I of course down. gene The Sims and found the skin for Kevin Mitries anyway, I was keeking for skins for the computer even whose a report about it for my exposiciose. Well thy. I have followed the case of Kevin Metick and I years, thanks to my dad who told me to read it one. I have been seading your magazine for a couple of

#### ReNe12596

condone such and such" is just a legal defense. Just to really against what was going on. Saying "we don't of music." The people in charge of Napater were not condens tracking for illegal purposes." Then is the computer, psychone chearing, or otherwise deserves those who simply allow other people to do so area? anything wrong. Though I do feel piracy is wrong. decity, I am all for Napster and don't believe they did same as Napoter saying "We don't condone the persey ting of times over the Internet! I'm tared of "We don't to be perished. So, what is 2600's opinion on commit son who commits any sort of crime whether it be on a imprisonal. He was, in my opinion, a criminal. Anydid was still against the law and he did deserve to be use that flaw to commer various estimes. What Mitnick not with the flew and instruct them how to fix it, not hack and staff. Finding ways to do illegal stuff is fun but I would contact the party responsible for the prodwith computer crimes. I am all for researching how to Whether 2000, is against the fact that he was charged what the government did. What I haven't saxo is agree that it was unconstitutional and I are against was held in prison without trial for easily years and I I himse that 2600 is against the that that Mimick

#### Bill Dahah

others anothed in the exact some octivity with Mitsial thing serious enough to warrant juil time? How rome Were the critical Milwick was finally charged with anywere never even questioned, let alone punished? It's Does every "critetical" deserve to be imprisoned?

> without evaluting the greater danger you're creating. you can then Justify restricting or criminalizing at detailibre information can only be used in bad ways, tanily considering the facts. Similarly, if one accurres time. Once you place the critainal label on measure, cause they shaply broke the rades. It happens all the you can then fusibly enversely postalized; whiteast on way remplicate to just label someone of a criminal be-

## Reprinting Stuff

partment. The article in gasecion is: "Finding and Ex-2000 would nacrive credit. would only be used intentally and tesh the author and dress so I could ask him/ber myself. I assure you it the in electronic form or get the author's elected acsubscriber and I was wondering if I could get the are ploiting Bugs" by Astroman65 in 17:1. I am a the latest issue to e-mail to our software testing deware company and would like to use an article from I work for a medium sixed but well known soft-

nothing of off to do with copyright. In caldition, our mati addresses - it'i completely up to them Whiteen may on may not choose to give out their ethey wast with these after they appear in these pages. Heritars own their Hands and they can do Hillsteiner words to "authorized" people. Such restrictions have ing our words, and we don't find the reading of our coding to prevent those is other countries from readenerg person who reads II, we don't believe in region All we ook is could for the author and the magazine. Bit don't believe in forcing people to buy on issue for тараціня ал а н воде ота перепіппер їз аз а ругодися. The special to people hear wheat we have to say and it goes for material on our web site, our rodio show, exc You can seron them, for them, or whatever. The name right extens for is so prevent people from solving the letter as to have our words great. What our copy easourage people to send our articles to ptitch people dezdand wity a backer magazine hue a engyright, we (title certain corporations and Judges) who can't un For the record, and for the beingle of their propie

## The Old Days

Dear 2600:

wrapper or something? Just curious about the history. holes gunched. Did they come stapted together or in a nally distributed. They were just shoots of paper with I was wondering how your old issues were origin

on the early dupy of 2660. ested in seeing recollections from original authorithers folded to fit in the same aire amorbige. We in he taken we allowed the Jupes so that it was two 11:17 wheels partited in them. When we expanded to eight pages, paper, folded into an envelope with loose told hotes Originally, 2000 was mailed out as three sheets of

# More Government Stupidity

Control of Control The bill also requires that restitution be paid for any ner Tem Ridge signed a new bill into law May 26. spread a computer virus face a seven year prised sentener and a \$15,000 fine in Pentsylvania after Gover-According to IDG, people who intentionally

for the first time. poter virus - a crime. It also defines a comparer virus trial of service attacks and the waitful spread of a comunanimously, makes computer backing - including de-The bill, which passed the House and Senate

them? It's sad things actually have come to this Permsylvania, World they go to Canada to arrest Canada released something that affected someone in I'm curious what happens if someone else from, say, leasing viruses at all, but this scome a bit excessive. This surprised me. Now I don't go writing or re-

if the sixt of service attack two the world of crime. Rescary reals. Symmetrican with critics, we've entered into a very perfaits, the numeral winding or interpoting becomes gardiess of how worthless one may consider certain Machine activities like writing viruous or constructing we must be expectably careful but to encompare ronreigned in The punishment has to fit the critice. And rio of our invenders to dealing with them needs to be Service attacks any premy obviously critical, the figure While releasing viruses or engaging in denial of

### Bookstores

that decision. As sad as it may be, we'd be treading on haddens in the cycle of the public so that we're no demonship in this form is to shape the perception of speech at any way. The only true power we have over passing bower or anapolicy to fillig our greatour of display this magazine. I ded t believe Burnes & Noble the rights of Barnes & Noble by telling them where to B&N labeling 2669 "indecent" (and I do disagrae), I don't have the right to choose how publications are onger misunderstook or forms. believe it is at the discretion of the company to make Sponses to the Burnes & Noble latters and was struck sold in their stores. Although (may disagree with a with the impression that you believe that book sellers I was reading in your last issue (17:1) your re-

tions. This is hardly an infiliagement on Barrier & Nocommence when a story that throughp to their expects-As customers, people have the right to notice and

## Observations

Me's rights.

Dear 2600;

cried for hours. By the way I love the new Windows tare it up because I spilled juice on his new Flayboy. I 2000. It's seper. Lern's and Unix suck with a capitod I just got my first 2600 mag ever and my friend

> "k" because they are see hard. SuperHarker@act.com

2014 just out I make this stuff up.

of just Realphager. played back on a lot of different applications instead the make much smaller in size but they can now be mp3 version of your Off The Rook files. Not only are I'm glad that you have decided to also put up an

Dear 2600:

on what this made is for and what it does? Any Road use of sable people out there with any idea equipped with a blocked othernol jook on the back ing the FC mode is for cable moderns and such as j'r is to somehow switch to an AC mode ofter that: Finagecable how is off, it switches to a PC mode. I also got it if you press 0000 then Entr on the remote while the something quite interesting. On my Time Warner box, While playing with my remote had right, I found

ANDER

200 right he interested in my experience with US Wast's -800 program and payphones here in Phoenia, Ari-With all your payabone articles I thought you

phyphones. OK, so I have no class. I had competitors minimum of ten times. or more each call received, I would east that number a number to respond to, knowing those numbers run St whose sids I would remove and if they listed a 1-800 A while back I was placing sets in, on, and around

800 number in this 24 hour period." And the call ceeded the number of times this phone may dial a 1then one day, after the third call from the same pay voice would, in a real snorty tone, say, "You have explaces to the same 1-800 number, a recorded male I continued this practice for a few months and

U.S. West. I can bardly believe in think I cansed that I caused problems for

would not corougt.

Autophobe

Phoenix, Arizona

nately, neither are people like you. for SOO mamber th's not anusated because, anyfortathe number you were calling from on that one parties. All your skeep farties did was activate a block to

Dear 2600:

given to certain politicians by cortain corporations). to protect our nghts against the corporations which cars, I thank you. hang out on IRC all day talking about their drugs and Some people give you negotive feedback about what have taken over most parts of our government (funds backer community. I think it is wonderful how you try ou do but they are just a bunch of scene whores who Hike how you guys stand up for the "good"

Irenton, OH

Continued on page 48

And referen

2600 Magazine

# USING DNS LOOKUPS

ATBD microsoft.com., microsoft.com, microsoft.com, NA, NS, 117400

#### by fU9A5i

ternal network of xyz from the likes of or security device that protects the inhind this router is some kind of firewall IP address assigned to it. Usually bemanent circuit requires a fully qualified the router at their end of the said permanently connected to the Internet and ier to find. This is because xyz is perlines/private circuits) are however easdress. Fixed connections (leased a single dynamically assigned IP adentire network remains hidden behind to the Internet. They will almost cerconnection is made from their network IP address from their ISP. This IP ador PSTN - POTS in the U.S.), your job dress translation) ensuring that their tainly also be using NAT (network address is likely to change every time a is going to be hard because it's likely that xyz uses a dynamically assigned the Internet via a dialup link (i.e., ISDN xyz's network in the expanse of the Inyou have a problem. How do you find xyz.com, none of my business why, but ernet? Firstly, if xyz is connected to So you ve decided you want to hack

#### So Where Does DNS Come Into Things?

Most medium (and some small) to large organizations have their own mail servers on site. These mail servers need to be visible from the Internet for that organization to send and receive that organization to send and receive mail. So to find the xyz network, not just their website which may be hosted at an ISP somewhere, follow the trail of the mail!

When you send mail to auser@xyz.com, a DNS lookup is performed to determine where this mail should be sent. This type of lookup is called a mail exchange or MX lookup; the resulting IP address resolved from this will usually point directly at that company s network. Therefore, mail sent to xyz.com will be sent to TCP port 25 (SMTP) on 195.123.26.2. The IP address is determined from the MX.

lookup. This IP address may be the company's mail server itself or just the company's mail server itself or just the outside interface (network interface) of the corporate firewall. Either way you should have located the network you are seeking.

# How To Do DNS Lookups

The hard way is to use the raw nslookup program.

nslookup is the name of a program that lets an internet server administrator or user enter a host name (for example, microsoft.com) and find out the corresponding Internet address. It will also do reverse name lookup and find the host name for an IP address you specify.

For example, if you entered microsoft.com, you would receive as a response our IP address, which would be something like: 207.46.130.14 or if you entered 207.46.130.14, if would return microsoft.com.

nstockup sends a domain name query packet to a designated (or defaulted) Domain Name System (DNS) server. Depending on the system you are using, the default may be the local DNS name server at your service provider, some intermediate name server, or the root name server (at InterNIC) for the entire domain name system hierarchy.

You can go directly to the command prompt and type: inslookup indicrosoft.com, however not all operating systems include this utility (NT and most flavors of Unix do) and if DNS is not correctly configured on your machine it will not work anyway.

### The Easy Way

It is far easier to use one of the webbased lookups detailed at the end of this article or to download and use a DNS utility from one of the file mine sites (get one that specifies it can do all types of DNS records).

Here is the dump (from DNScape, http://inettools.com) of what a complete DNS lookup of the Microsoft domain arves:

> I3I.107.3.I24 , microsoft.com , mai(2.microsoft.com , NA , A , 26288207.46.138.11 , microsoft.com , DNSA.CP.MSFT.NET , NA , A , 64800 , 207.46.138.12 , microsoft.com , DNS5.CP.MSFT.NET , NA , A , 50237 , DNS Linitrosoft com, microsoft.com, microsoft.com, NA. DNSS.CP.MSFT.NET , microsoft.com , microsoft.com , NA , NS , H7400ATBD microsoft.com., microsoft.com., microsoft.com., NA DNS4.CP.MSFT.NET., microsoft.com., microsoft.com., NA mailS.microsoft.com., microsoft.com, microsoft.com. marA.microsofi.com., microsofi.com, microsofi.com., NA., mailSunicrosoft.com., microsoft.com., microsoft.com., NA., MX., 26288., Pref:10 mail1.microsoft.com , microsoft.com , microsoft.com ,  $M\Lambda$  , MX207.46.131.137 , microsoft.com , microsoft.com , NA , A , 21914 Resp: manhat.microsoft.com, Sn:2000071902 Refresh:900 Resp;:000 DNSL microsoft.com., microsoft.com, microsoft.com., NA, NS, 117400 131.107.3.125 , microsofi.com , mail1.microsofi.com , NA , A , 7291 131.107.1.7, microsoft.com, DNS1.microsoft.com., NA, A., 20735 mail2.microsoft.com., microsoft.com, microsoft.com..NA., 207.46.131.30 , microsoft.com , microsoft.com , NA , A , 21914 207.46.139.45 , microsoft.com , microsoft.com , NA , A , 21914 207.46.130.149 , microsoft.com , microsoft.com , NA , A , 21914 207.46.130.14, microsoft.com, microsoft.com, NA, A, 21914 das.CP.MSPT.NET., microsoft.com, microsoft.com., NA, DNSS.CPMSFT.NET., microsoft.com, microsoft.com, NA, NS, 117400 DNS4.CP.MSFT.NET , microsoft.com , microsoft.com , MA , NS , 117400 , Expire: 7200000 Minimum: 43200 .NA, MX, 26288, Pref:10 NA. NS. 117400 504,5915. 3 MX, 26288, Pref.10 NS. 117400 MX, 26288 . 117400 26288 Pref-10 . Pref:10

So what does all that stuff

mean?Basically, what you are looking at is a list of Microsoft's servers with their corresponding IP addresses. In the expanse of the Internet you have just found Microsoft's network. Just look for the MX records....

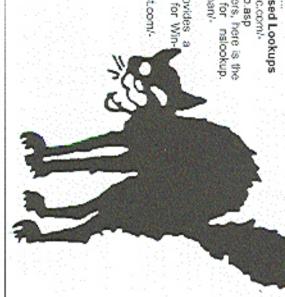
# Programs and Web-based Lookups

http://www.simplelogic.com/-Siple/net\_utils/NsLookup.asp

For Linux system users, here is the Linux manual page for nalookup. http://www.elcafe.com/man/man1/nslookup.1.html

Trumphurst Ltd. provides a free nstookup program for Windows 9x/NT users.

http://www.trumphurst.com/dnsocx/nslookup.phtml



2500 Migasina Emmory of Goldenin

Widdle Island, New York 11863

Desir Owner

Wereset has needed a report that you stay have distributed it agail and/or uniformed Monacot activates products. Monacot activate this appoints to be able you have you don broad expecting your boarmed to the consequences of countribiting and other forms of degal tothethe distribution.

Consequences of legal (burdening)

Worked takes he protection of talkstempts, and copylights very seriously and undersions substantial legal and solutions has protected or protected and consequences, because repetitive and honely dopter burdens from counterfact and fregal products. Worked making controls protected and repetitive actions from the counterfact and see along of our substantial protected and see along of the making counterfact and see along the country from graten burdens are seeing and on the protected and see along the country from the country infringement and so to \$1,000,000 for with anderson's counterfacting. Inconform violating these and improvement.

Types of Schools Discy

Counterfor Countries and the manufacture or electrication of undefined expensed products projected by trademark operating and copyright. Countries for products federal capacity to ordinate these and may expect your congress to obstact money demaps on and unknowledge pushessy.

Alto Olch Cooling: Hand disc loading in the unicensed intralliation of authors and the hand drive of a computer 6,50km. Alt Macrosoft achieve indistribution free hand drive of a computer system must be intralled business by a legacy learn. Without and must be accompanied by a postagod out of such software that he tude a Contribute of Authoritisty (OCA). Uniconsed installation velocities federal appropriat and trademyoris laws.

Memoral Workfaste PullWhere (burner) Köreged Lasy FullWhere ("MCT") Software Companients Microsoft offers supplicated and Children and save manufacturity to outdomers who have already purchassed at Open or Solect learner. Supplicated appropriate we and offered to the general public to indust or OPM products. They lock servers according companients of templates Microsoft products, including documentation, ODs, End Lear Coping Agreement, and numerical products. Unauthorized distribution of supplemental components violated federal hademark item.

Unividented Databation of Microsoft Additions on OFM version Products. Authorized Education Resident Intersect by Microsoft (Addition Products on Additional Education Products on Additional Products on Addi

You Gan Protect Your Business

One of the notices wast to existence years of the continues from the labeling of dealing in counterfelt or other segments as to strop in decrease products from suffering about the . Notices the adopt products and Open is strop on the decrease of the segment of the Authorities Measure Result Product Distribution is set of the Authorities Measure Result Product Distribution is set of the Authorities Measure Result Product Distribution is set of the Authorities with the Authorities of the Authorities Measure Result Product Distribution is set of the Authorities The Shew microsoft completed access on being despited.

\*\* You was System Builder, your assured Soutes of genuing Monach CEM products is from the Authorized Monach CEM Product Distribution a through the Monach System Builder Program. Places sorted DEM information at 1-200-805. 1220 or was the Monach CEM System Builder Web Stry or (<u>Routbork informations</u> to register.)

If you have questions or concerns requiring the princy about discussed in this lighter, shared out the Microsoft Arts Princy Norther at 1-800 Pout CGT or 1-800-786 SARs. For more information requiring Microsoft a street to correct sections princy, also be well the Microsoft Arts Princy homeology at http://erocombinetoft.com/canage.

TOURS ITEM.

Microsoft Research Compliance Program
Notice of Compliance Program
Notice of Compliance Programs

825

PIRACY OUT OF THE BLUE, WE HAVE BETTER THINGS TO DO BESIDES USE, MUCH ESS SPREAD, MICROSOFT PRODUCTS, BUT WE'D BE REAL INTERESTED IN SEE ING THEIR "EVIDENCE." ON THIS PAGE, WE PRESENT OUR EVIDENCE THAT MI AINT THIS NICE? MICROSOFT DECIDES TO JUST ACCUSE US OF SOFTWARE PRACTICES, NO WONDER WAWLFUCKMICROSOFT.COM IS SO POPULAR CROSOFT ENGAGES IN UNFAIR AND INCREASINGLY BIZARRE BUSINESS

# Defeat URL Filters Another Way to



by ASM\_dood

Microsoft

heavily towards one end of the web sites incorrectly or leans that this software often classifies certain that it needs to be said ing work, school, or at home. I'm not them while trying to surf the web durof software either by reputation or hav-NetNanny - we all know these pieces ing personally been blocked by one of Cyperpatrol, Websense, SurfWatch,

browsing what they deem to be school, or corporation have put blocker that your parents, unacceptable into place to keep you from here is a way to defeat that URL political spectrum. Having laid the groundwork,

URL litter such as http://www.2600.com being blocked from going to, legal, or Crime depending on the (which is defined as Hacking, Take the URL that you are

and you will get the IP address dotted actet of its 32 bit number 207.99.30.230 which is just the Do an nslookup on the URL

convert it to its binary equivalent 207 = 11001111Take the individual octet and

gether Next, string the numbers tothem out with leading zeroes than eight digits, be sure to pad If any of the numbers are less

11011100110 110011110110001100011-

imal equivalent Calculator and convert to its dec-Plug them into your scientific In our case:

01111011100110 = 3479379686 to: http://3479379686 and, 110011110110001100-So now, we can just surf over

presto, you are now at

www.2800.com.

inclination. by hand, but I don't have the time or instead of someone having to do them up with a script to do the calculations I'm sure someone else can come

COMMON LISP :end pos) (byte 8 mask) apc)); (defun octobs edocimal (address &eux (eoc 0)) Ē #indiude <string.h> #Include <stdo.hv by CSS A Soript to do the Calculations main (ritargo, char "argv()) #include <stdibh> COODE floop for mask from 24 downto 6 by 8 return (o # (ergc != 2) { 8X8 (-1); while (aptr != NULL) { int shift = 24; char "cotr = strtok (argv[1], "."); (void) fprintf (siderr, "usage: %s addressin", algv[0]); unsigned long acc = 00; yold) printf ("%IV/n", acc); acc += atol (optr) << shift; が流出の optr = strick (NULL, "."); do (serg soc (opo (perse-integer address :start idx for pos = (position #L address (start dx) finally (recurs acc)) for idx + 0 then (1+ pos)

iconoclast@thepentagon.com

Bulletin Board System. for federal circuit court records is ABBS, Appellate including social security numbers? A third system System) allows scarches of benknyptcy records tem sailed NIBS (National Integrated Bankruptcy coss to district court records, while a different sys that unifies the access to these records is called Son does not come for free, but it is fairly cheap Records. The standard PACER service allows ac-PACER: Public Access to Court Electronic and affordable for the outlous hacker. The system is readly accessible electronically. This informaincluding perties, judges, lawyers, and judgments tation such as case and docket information triot, bankruptcy, and appellate courts. Documensocess to information from almost 200 federal dis-The federal government kindly provides public

wab page) or E71 settings. polarywhere software (passwords listed on the minal emulation. A few of the distupe require Neerly at diat-ups are set to N81 with VT100 ber http://pacer.psc.uscourts.gov/ogi-bin/modern.pt. numbers and all wab addresses thetic a local datup. For a complete list of both dial-up that can be used from anywhere and there is also dal-ups for each court. One is an 800 number mented for that particular court. There are two the other is visithe web if it has been impledial-up access to each of the Individual cours and Access comes in two fams. One a modern

characters which are the Initia's of your first and the online registration form. https://pacor.psc.uscourts.gov/regform.html for case alpha and numeric characters. Chaok last name followed by four numeric characters login is in the format of two lower case sliphs dress as well as e-mail to obtain an account. The tems. You will need to supply your name and adof the computers in the PACER/NIBS/ABBS sysbination is a universal logic that works across all Billing is quarterly, however it is free to register. A and the web service costs seven contra a page the password is a combination of eight lower within two wooks. This username/password comusername and password will be mailed to you The diskup service costs 60 conts a minute

Certied a ball hearing and now want to verify the thing on the news about Kevin Mitrick being ing to do with it? You remember hearing some and now you thinky get a nice brown envelope in riformation content and accuracy directly for the mail with your login packet. What are you go Let's say that you've signed up for an account

> oner denied a ball hearing in United States Rotal lettedu history". That judge sure knows how to sorew up ING TO GIVE HIM BAIL! The first federal pris-R. Plaster state: THE COURT I AM NOT GO. sponse to a request concerning the date of a ball we then find some astonishing reading. In reformation, Scienting Case Number 2:98cr00991 aling into that specific computer to retrieve the inwhere the case was heard. That would require dieight court records. Sometimes the actual records and then type in Kevin's name. We find about criminal search because of the nature of the case travesty of justice could occur in this country? will be stored on the perfouler court computer index of court case information. We will select a States Party/Cese Index) which is a nationwide First you warm up your modern and firs up some Hinm ... let's look up Kevin Mitrick's court records! saring we see the dishonorable judge Manana term software and dial up into the USPCI (United yourself because you can't believe that such a

Pichola Roberty es pull a listing of hundreds of names with addresses Cases". You specify a data range and you can can instead choose the option to "List New heighborhood, or elsewhere that are having a inand social security numbers of people in your an option "Search by SSN/TAX #" but unfortunately it does not allow wildcards. However, you ing up the court computer and logging in, there is What about those SSN's on NIBS7 After disk-

of financial diffourties. group of people who have already had their share could potentially lead to fraud and abuse of a of social security numbers was surprising and (900)08. The easy availability of massive listings dourt information, but it also prevents Joe Crista very good idea. It means that there will be a delem from the main court host computers which is PACER inquity computers are on a separate sysgiven the application it may be acceptable. The hat from attempting to crose or modify his court. ey of about a day in obtaining recently updeced word chaice make it somewhat weak, however, The restrictions on characters available for pass-Let's do 8 brief security analysis of PACER.

orable technological exploration. zecute and prosecute those who engage in honmore important as our government starts to perfor the everage hacker will become more and I pradict that access to federal court records

edge..." - Hosea 4:6 "My people are destrayed from lack of knowl-

# Zone Scanning

deft@phsyze.com

open on 800 windows bekes?? Is there a way we scens. And all this for what? To know port 139 is urge to seen large class B networks that take days ean make our acera more efficient and even less companies who were arrioyed by my massive ISP bonding me because they got 10 cells from my port scanning. By this illnean if try to resist the it weeks to complete, and which also result in my Recently five been trying to add more focus to

What fithere was a way to scan only all the

iss in the DNS system. dently be accomplished? Yes! And our snawer company's network. Can this quickly and efficare about since we just want the big pizyers on a addresses (4°255) in between that we don't really the corporate Web servers at on the 100,20,4 (i.e., users' win85 boxes) machines in between. the company. We would need a way to seen only FTP, NT, UNIX servers, switches, routers, etc., of from to ourselves. By "important," I mean the Web. ing useless machines and probably cell less sten important machines in a domain spread out over seperate subnets. Maybe many of keep in mind, all these important machines are (whatever com/? We would waste less time proboxes sit on 100,20.9 and up. Thet's over 1000 subnet, and a lot of the more interesting UNIX hase addresses and not the other emailer-scale

domeins will allow you to do this. thing cooled a zone transfer. A zone transfer is risy box s little odd (read suspicious), end not sti amount of information from a domain, However, if about it. So it's a great way to get an enormous ts records up to date - there's nothing diegal for its a legitimate way for one DNS server to keep type of scan is not for you. Note that a zone transare querying. So if you are looking to probe those when one machine requests a list of all registered to answer your question, we will be using some-"So how do we get this info Wi. DNS man?" you zek. Well, first of all, I am no DNS specialist. To his way) in between all these major ones. This important to you as many surprises can be found other unknown machines (which may be just as mechine names known to the the DNS server you brod because a zone transfer only obtains the machines of another zone. I emphasized "rigiswww.dra.net/drand/ (lots of great tools tool). Now get more bedignound on this DNS stuff ga to somewhere. And this is the information we need. lande to an organization is registered in DNS guadry any machine that is of significant impor-DNS is the who's who of the Internet Ar-

which runs on Einex (evallable at The programs we will use to do this are host

> great tools. can perdopate in zone transfer fun as well. See 37 for a quick overview of host. Windows users www.dns.nebdnsrd/mark/wintools.html for some program hoet appeared in 2600 a white back. scans, nmap (www.insecure.org), of course. The Check out 11:4, "Net Surfing Techniques," page www.dns.net/dnsrd/tooks.html), and to do the

The Program

unix but can be easily adapted to perifor NT or simple bulk scan. This program is made to run on scan the machines that matter for fastor than a scenned by nanep. So there we she! Now we can these repeating IPs and puts it in a file to be the same IP. So the program then filters out all of example.) New although nimsp could read this file virtual addressing. Try "host-aiv moveans" for an instead of hostnames because more than one the DNS junk to get only a list of IPs. We use IPs we need to do some deanup. First, we strip off can't read in these IPs due to this extra junk, so evencom", and you'll see what I maan, Ninap. ficeliname can be mapped to a single IP (This is machines. Host by itself returns a lot of junk atong achieve our objective of scenning the important with the IP addresses. Try running Thost valv what ust fine, there can be many repeating entries of Using a little perfiwe can make host and ninep

The menuor's. could be missing many other impension oetals of learn about thousands of machines this way, we ning the hosts registered in DNS. Though we can side. Remember, we are only receiving and scarthorough. Which brings me to the second downzone transfer. However, the zone transfer is not as thousands of probes, but it would only log one a seen. When seeming, an IDS would notice way, a zone transfer may even be preferred over since a lot of IDS's log SYN scans new. In this even cell less attention to itself than a SYN scan. than your typical TCP-Connect scan, and might routine thing. A zone transfer is for loss suspiciou say it would be noticed, as zone transfers are a rity will log a zone transfer. However, this is not to Firstly, it is loud. Any company with depend secu-There are two downsides to this method.

even Win88. Try substituting netrat for nmap

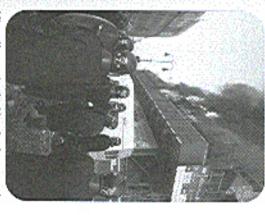
fip.whatever.com, cisco-5.whatever.com are some examples. Maybe you only want to grab benness from all the fip servers. You don't even herve to machine is: SUN3 whatever.com, that gives a first (if not outright tells you) what the looking for petterns in the hostnames. For examprogram to seen only certain types of machines by servative, yet effective. You could also adapt this use mosp. Be creative! ple, many organizations use a naming scheme All in all, this method is pretty handy, it is one.

```
System[/usc/bin/nmsp -s5 -it_hostsToScan >> log&")
                                                                                              (,eco2 81800 tr- mi, judate/s
                                                                                                                            eclean up and do the sean. Add your own nmap options here
                                                                                                                                                                                             print "Check log for results.\n";
                                                                                                                                                                                                                           print "Terget file created. Starting amap now.on";
                                                                                                                                                                                                                                                                                                                                                                    for (Si=1; $50+@uniq; Si++) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           foreach Sitem(@wholefile) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   open(HOSTS, './hosts');
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   system("echo" > log");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    system("echo" > hostsToScan");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         priot "Creating target tile. This may take a while...in"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  %8880 = ();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                my(@wholette) = cHOSTSo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    freed to strip off the repeating entries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              while (<ZONEV)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         fistrip off DNS junk to get the hostnames
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       system("echo " > hosts");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          print "Zone transfer complete.\n"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       while (<ZONE>) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     relear old log files for appending to later
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        open(ZONE, './zone'):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      system("Justrbin/hast -1 SARGV(0) SARGV(1) > zane");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             print "Starting zone transfer...\n"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rdo zone x'er
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #Usage: zonescan.pl whatever.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #!/usn/bin/pani
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if ($ARGV[0] eq ") (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Zonascan.pl - by DEFT
                                                                                                                                                                                                                                                                                                                                      system("echo "$umq($i) po hostsToScan");
                                                                                                                                                                                                                                                                                                                                                                                                                                           push(@uniq, $item) unless Sseen($item)++;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) ("sed" ps [1] $ ) th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              elico (lasti)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   it (3:10) eq. "Server" && $_[1] eq. "talled:") {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               die "usage: zonescan.pl whatever.com/n".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      system("soho $_[3] >> hosts");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  die "Zone transfer refused.'n"
```

2600 Magazine

# Continued from page 5

bomb squad ever showed up and the relaxed arcircle of the police made it abundantly clear that there was no threat. The police let the facility reopen ten minutes after the window for the satellite transmission had closed. This was far from an isolated event. In Philadelphia, police repeatedly "inspected" the bendquarters of the Independent Media Center during the Re-



nation to reach the public. You can get more income together, using the net and some imagi and are interested in making a difference can want to have any change at all of making a difit clear that we have to work together if we tremendous sharing of information and re-On the mainstream networks, mone of this was formation at www.indymodia.org. No matter New York where those who have been shur our the Independent Media Center to form a base in ference. That's why we've decided to join with all of the crap that's happened to us, has made sources that rock place at H2K, not to mention reported. All you saw there were the same bor channel to the world. ironically also using the Internet as their main when they broadesst non-powertament reports the building for no particular reason except to The inspiration of these events along with the United States has been reduced to: ing non-issues. This is what journalism in the had been used on Radio B92 in Yugoslavia intimidate the inhabitants. These exact factics addition, helmeted riot cops would surround nor of violations in order to shut it down. In publican Convention looking for the most mi

by opening people's eyes to the issues that have been ignored. Never stop educating yourself on the threats to freedom that keep hitting us day after day, it's about reading, evidoring sock

owing to the great success of H2K and the take place in 2002, a year earlier than normal overall acced for this kind of thing. Next year in the near future. Our next conference will lar in style to a HOPE conference. More details the Netherlands which we believe will be simi we excourage people to attend HAL 2001 in will be made available on VHS and, yes, DVD tival circuit. The film, which focuses on the slowly making the hacker convention. But feeus? It's hard to say: A for has happened in the So now the question remains - what's next for communicating. Free Kevin movement and the backer culture Downzime has finally been finished and is now past few months. Our documentary Freedom

will be published in upcerning issues.

As for how the result of the first will affect things, we intend to keep doug what we do for as long as that rectious possible. We have complied with the injunctions against us but we doubt that will be enough to substy the MPAA or future cases that involve the DMCA. At press time, we have removed all links to sites that contain the DeCSS code as per the judge's increasibly misguided miling. However, we have not removed a listing of those sites. Listing is not the same as linking and if we're ordered to remove a list, they that's one less thing we're allowed to do. We want the restrictions against us to be crystal clear and not open to any mis-

catastropts. are the only hope we have for averting this and awareness, for this and all retared causes. number of legal buildes on the horizon. Support stand as is, you can bet on an uncountable unterpretation. We're not the only victims in this fight - even https://www.eff.org/support/joineff.html or Court. Please help make that happen and visit take the appeal all the way to the Supreme possible and have expressed the intention to tions for all of this will be. We encourage peodiffinately lose or if the DMCA is allowed to printed on them are being sood now - but if we people who make t-shirts with source code San Francisco CA 94103 USA send a check/money under to Electronic Fron-Frontier Foundation, who have made this fight ple to make strable docurious to the Electronic We don't get know what the financial ramificaace Feondation, 1550 Bryant Street, Suite 725

where you are in the world, you can participate

# Continued from page 39

and I'll see what I can do. ingry withing the video! Let me have if you want it a "bod" guy and dangenous! You guys would probably quite amusing. As usual, the factor was represented as said schemes and other psychone schemes. During the sides. there were a few references to 2600 which were phone phreaking and backing. It was bosted by the our training, they showed as a video, a video about my bired position. I just wanted to sell you that during about a half hour video and it depoted all the phone pay that does America's Most Hanned. It hasically was there a couple of months ago and am now working in Sprint (figure it our yet?). I finished up my training the Fortune 500. They were trying to marge with I work for a company that is a top 25 company in

We've actually had that Mato for a number of

that was responsible for brooking the foundation of an CLUSTER OF THE DESIGN or internal videos of any ann than deal with issues of Oncie York's Cable and Common Sense as therefore 2000 will be compared with the Countile, The Jungle groundbeaking publication. July years from now, to see what kinds of misconsciptions are being passed baidee's and compater security. It's always educational Stars. Die we definitely are interested in any corporate Personally, Looksider 2000 a very important and

collapse upon itself. Their own unethical behavior will desperately trying to protect will shift and it all will are protecting a dead king. Enjoy, you are truly mateknd to a lost revenue stream when they find out they they can relate to. You have American history on your to know what they know and find a good analogy that sile. Eventrally, the market or personant that they are parallels like this have wen over many. You just need To educate these folics. I have found then historic

oppressive corporate body.

Straith Ricoche

dest I believe are 'en wordly of the stands for the inpo-That's gathe a companions, one which we consider,

Disar 2600:

having fur, is wooderful! Keep up the good work. tendy understandable. The spirit of play, of just plain magazines but find your articles to be the most consis-Leafoy your majoratra. Latso read other computer

Lotto Fever

chance to win. The fundy thing is that as proceeding as the CT Lettery wants to be about people trying to try machine responsible for tiches cashing, sales, and penetrating the "random" numbers for the people's lieses. But a few times I have had to reboot the locdifferent kinds of Loco to the nonly get-trich quick be Connecticut, and like many other gas stations, we sail was a little bit imusing. I work at an X-110 Mort in For suyone actually intenseed, I just thought this

> chines, interrupting and charging how this machine tasks, basically through different beach files (\* bar). If chest the system, this machine is almost as untirely works would be a very simple task. one was able to plug a keyboard into one of these ma-DOS based program handling only the simplest of

606126

the Lette beadquarters are.) five hour shifts, you start to get carious and warris. three digit number, four digit number, \$100,000 latters 28800 kbgs modern in them that elements to wherever wondering now followy machines work, they have a number chaled, logs, and other oxol statt. (If you are other serren. On this servern it shows the login time, Some of the gray batters, when pushed, bring up inunmarked, and found out some pretty amoving details pashing two at once or the little gray bottons that are cal mart. See, I was massing around with the keys, find out bow stuff works. Well I did just that in the 3o At least that is how it is in PA. Anyway, after working Cash S, or the big one, the \$1,000,000 Super 6 Jodo. name of machine, primber of machine (statewick) lonery machines and games. It writes from playing a and I know that all of you are very familiar with the work at a local grocery stoce in Pennsylvania

Explore and enjoy? there are! Some may be surprising, others may not meetings, find our what hidden encous and options work now I suggest if you work it a place with Lotto have learned so much about how the lottery machines hide it too well. But that is what you get for exploring this information to be rather furnly because they didn't cétoin it by using the machine number (found in the came it is on a little sticker and, at the place where I and knowing a good deal about computers and all. I secret mean) and calling the 800 number. I found all a default password set or anything, but I know you can this password you could cause a whole lot of grief but I would never do such a thing. I am not sure if there is work, it's hanging so the public can view this. With find the password somewhere hidden in the store bethe legio name and password surroused! You can also push that one gray button with the down armow it gives The most interesting thing I found as that if you

Digital Tere

The Dangers of Info

Dear 2690:

Queen Ann

dom of speech, but if we give out information has this principal. ( mean, don't get me wratg, I support fran something electors are hiding behind rather than a pilice. The size of free information seems more like though they wen't do it again, may be the information shouldn't have been available to them in the first and wasted the time of police investigators. Even they really have done that? They probably cost the months later. I look back at this with remorse. Should company thousands of defians, got the admin fired the sizes, it must have been neally fun. But a few practions information they had in these, and defining holes and wort screend cracking sites, reading what A while ago, some friends found some security

> do it from your magazine? grincipals, but can you guys stand idly by when peomarton. I know that this is goes against a lot of your it will surely get in the eveny bonds. Maybe the povphone in India after getting the information on how to ple are having their phone lines rerouted to some payback on a because they give away this kind of inforthey are phroaking. Moybe even shut down sites like cought Eacking or not use a phone for several years of body to get on the Internet for a few years if they are terment should do things such as not allowing some

And trout of Rac The most irrespossible use of Lifermanian is to with from denotative this blank of constept has no froundances as corries more danger than any missur of informathe course of mighting of their "the wrong heards." That to stated and booking to large mentaling people arrang from coverpacken and even phases, and restrict hybridanos. wind up worting to shar down sites, give the govern-Mart with oversoon over your childs in ections and Look of the progression in your thoughts. You

Phone Problems

can lead me in the right direction. I'm at my wit's end some made me think you guys would have malght into what I'm dealing with and how to solve it. Maybe you even pretand to understand this problem. Bell Adapte computer, I know the first thing you are going to isk help at all saying it's my problem. Reading your mag-They is turn blame me and Bell Atlantic, AOI, won't throws it so my long distance carrier which is MCL for a beginner like me. No one is willing to help or me is why do I have AOL. I guest it was the exsist. this long distance number which is not oven in my My first bill arrived with \$875.00 worth of charges to local number to turn over to a long distance number. cal numbers for me. Somehow Bell Adluntic made a need I confirmed with the operator that these were lowith three local access numbers with which to conproblem. Three AOL as my JSP and they provided me ing. I thought I could turn to you for advise on my I don't understand some of the tech stuff, I am learnwhich every time I connected to AOL and careed this I am a new trader to your magazine and although

service because of a billing dispute with MCL You mane theories - Bell Atlantic Zahnot terminate your pany. Whatever the problem - and up id like to hour companies that area I recognized by the Jocal commay be minted to exchanges owned by enterpoints forthy especially with online services. We believe it the he heard of this problem with increasing rega-

Dear 2600:

will be on your side.

(call lagging, local tenspotton, lof records), the facts meeted to a completely different number at the time persons if you're aske to prove that you were conshould thirply toll MCI you never made more calls.

check the toller ID and I see: line, when my primary phone line rings. Naturally, I Okay, here's a weird one. I'm stiring at home on

> - UNAVAILABLE -123-456-7890 9:20pm 7:18

my lines. I still find this rather weard. Is the teleo fack ing over at the NID produced noticely serrowing with body's there, just a dial tens. The weind part is that my idea what they are doing? ing with my lines? And if they are, do you have any seconds later. Addleagh running out the door and looksecondary line (which is online) disconnected a few about a few issues upo. I picked up the line and no-Okay, so I get a specified caller ID which I read

to brow more about this. primary line and then year secondary one. These sests area's supposed to discounted calls, though. We'd like the signs of some and of toler test which forst her year Although we be server steen this before, it curries

Dear 2000:

would be much appreciated. to corporate stateholders just yet. Any suggestions trace), get a new phone marcher (\$42,05), or caller ID We reled out an unsurfacenced wake up service. These called Bell-Mash-Verices registing sunoyation calls. and 57 dich's work. I don't feel like shelling out backs with Amerymous Blacker (\$7,99 a month). Star 69 were my options: Star 68, Star 57 (a police phone morning. When I answer, there's no one on the line. I wing not but been calling me at exactly 9:30 every gens. Now it's my turn. For the best two weeks some ters and their accompanying sets wers; they're all formed about the politics of technology. And those letmargins on Corol 8. I mod your magazine to stay in-I'm not a backer, I can barely boot up and set the

DEPT PROPERTY.

connect whoever is deving this and make them stop. the same time will make it easy to make. They will built you gave as. The fact that it happens every day at in the front of the phone dook) and give them the de-Connect their Anneyonce Call Bureau (the namelor in from happening. Don't let ferfan teil you orderwise. ethical. You do not hove to pay a penny to stop this rothed you giving them money. This is completely un-However, they were that you who's doing it. Note how every reliation Tention came up with in-

Schools

may actually uplift the spirits of everyone. tales of complety-dense so here's my stery, which 2500 maa be getting sick of kids writing in with their the system. Anyway, I'm sure that some readers of zoted exceptions, is only trying to further their educapel or severely punish a student who, with only a few about computers, feel that it's their right to my and exwonder how it's possible that these me-calibly stupid power within a school or other organization. I also horior stories about students being harassed for "hark-Son on, so in the case of Code\_WarnorX, actually help people, who must realize that they know jack ship each a back of intelligence can make it to positions of ing" has been making me wonder how purple with I'd like to start off by saying that reating all these

of "good," and, as a result, I went unpurished. In fact I was never even threatened. affaight that hacking can actually be used for the powers thank you." She obviously knew that I must have brocame up to me and said. "I know that it was you who so gain root on the system, which I eventually did, and worse, but being a less and teacher than most, she refor which I could have been bunned from the lab or ten a banch of the computer lab rules, the punishment fixed the printers and I don't know how you did it, but whimpor. The next day, the head computer lab teacher lots of students to continue writing their essays and backed back into the system and fixed them, allowing thys, and the staff were unable to repair them. So I later on, the printers stopped weeking for should two wormed for a while but it passed without issue. Then gystem," but that she was cool about it. I was a bode and the second to add amos bed aw tett which the One day my friend told me that one of the computer ing with the computers, non-destructively, of course friend the password, and we had a month of fun playquotest flow ships his that? Anyway, I told my best get this: the password was "Finland" without the which was now. Naturally, my immediate desire was at my school lost summer to that Linux based FC's, It all started when they approduce the computer lob

community that there is still hope. good. I hope that our story serves to remind the hacker not to be feared, and that they are capable of true that we proved to at least one person that backers are When someone hadly configures a system. I'm happy grandian angels we were, fixing things that break years longer than her) would not have been the little the year, the two of as (who had been using Linux for learn a great deal. In face, had she busted us earlier in she allowed us to experiment with the system and sociar-thom stupid-lamor-using-gower-for-pleasure, reason that she was octually liberal and not a tight-ass single one of the computer lab rules, but, for the sole that we had backed into their system and broken every knew without any doubt for most of the school year To summarize quickly, the computer lab seacher

Anonymous Backer in England

It's a two way street. By acting respectibly you were able to neityforce on advantly provides opicion. It's very easy to create a negative imprecision by being inresponsible and that will than be used against two criti people in the fature.

#### Desir 2660:

The ID bridges have come to rown. The county is new spending money keeping track of where we are and what we do by having the budges checked deely by the leadness. Since the budges also have a bar code (with our Social Security number) on them, they are a complete invasion of our privacy as students. If you do not comply with the rules (which we never spread to fit was even fold about for that matter), you are given a five dotter ball and progressively harsher purshamon.

#### SwordMage

#### Dear 2600

Lam a very nevent subscriber to your magazine. It just received my first issue today and read the letter

west to you from col074life. The part about having to west ID cards cought my eye. The administrators at my high school in Myrtie Boards, SC also miske us west ID earls that have our picture, notice, grade, and (get thes) but code. Yes, we are now but codes. Some Etnes, I question the samity or our administrators. Unlike P2 IZs and col0744life, whose ID numbers resemble those the military use (inst letter of their last name and hat four digits of their social according numbers) our ID numbers are our social according numbers had if that weren't enough, the school's database holds the names, addresses, globale numbers, and ID numbers (coolid security numbers) of twenty student enrolled in the school. I think that this as a severe security, threat to every student in the school.

#### YorNamiliere

#### Dear 2600.

Jam a brand spanking new reader of your lift of zine (172), and I must say that I am quite impressed. It's nice to get some reminders every now and then that there are some basis on of only open-minded folks still around. As I was flipping through, I was impressed at the extinct supersections you assume (carearly, I hays) some of your readers powers. But I was even more impressed by the oblicated and letters that were primed regarding all kinds of ideas about life, liberty, and general solvension. I was surprised to find a magazine that was partraying ideas that resonned so well with my own few cubic contineners of brain. An "Editor-in Chief" named Emmanuel Goldstein who is being small by the MPAA? That S just too perfect!

Anyway, I'm a young student studying computer science at our fair wholed of the University of Columbio at Bordot. I have always been fascinated by the way people assume that their philosophy on hie is, quite simply, the best, and everyone should be subjected to it regardless of their opinions on the matter. You can see this most clearly in our public educational system, which was brought up over and over in your latters section of this issue. I know dut a very young age that adults are not, in fact, infallable, from this system.

One particular schedhouse lesson involved my doing some "very had things" in middle school. We had a "homework bodine" gystem, where you'd sall up, perso I for homework assignments or press I for school events. Well to and behold, you could press 3, even thought it sear it so upsion I briad this out and found I could record outso any 2-cmework box. Being the IB year old that I was, I proceeded to wipe out half the burnework box seeing a feel if year old that I was, I proceeded to wipe out half the burnework box seeing a feel in year old that I also used good old trial-and-derive to determine a whole mass of other things you could do, like set passwords, create and destroy mailboxes, we half of which I dd. I'm sure some of you tolks are familiar with this type of program.

Predictably, my brigging came back to burst me.
After a few days of reachers unable to take Ministrativ
"Raye Me" off of their hones, they should be system
them and I got called into the principal's office, interregard for a good two hours, old that "the police
were already involved," and generally made to pits

2600 Magazine

Fall 2006

to encourage me to some with the school administrapaters back then. know a "hacker," even though I lotew little about comtion. All of the kids at school thought it was so cool to credibly amused by the whole situation and proceeded friends' persons whom I had gotten involved) were inour member of society. My purents (and all of my big news), and of course, my brief value as a dangera small, inbred, piss-ant mountain fown, so this was headlines that showed up in our level paper (I lived in ing. The best parts ended up being the front page any other sedeodicacter) take notes on what I was say the only time in my life when I've had a principal (or they could access all these features for themselves. It's desk phone and show all the eager administrators have would get me into, I had to pick up the principal's phone, they bettered me on how much trouble lying told them I looked out bakes using my home telesnawering machine exempeter to do all of this. When I had picked the lock of the office that contained the old my pants. They demanded to know whether or not I

After I educated the educators for a while, they sorta kinda acknowledged that their system (and their knowledge) of their system) was a jide, and even thanked me for being willing to fess up about the whole thing. They didn't press my charges and the only punishment I received was to "monitor" the type and for a few weeks to make sure sumeone (me. J. clink) didn't break into it again. I was surprised or how easy it all was and for years afterwards machers would want me to said up their e-mail or break a Weed-Perfect password for them.

Longoos Light I needed to sell this story because of all the honor morks your readers have sent in Tipud wanted to remind you that everyone test to the get you. This may seem band to imagine while you're availing the outcome of a major trial or getting servered by the USAS, but streamings people on approach the humor, sometimes they will acknowledge their own shortcomings, and sometimes they will even let things slide. There is some level of somptions for their seven the authority with want solding more than to learn, explore, and be amused at what people are capable of doing.

#### Herbert

#### Dear 2609:

I was in the computer tab helping score dumbers AOM are when my computer teacher tagged me on the shoulder form when my computer teacher tagged me on the shoulder I turned scrand and he was holding my copy of 2600 and, of so mixely, kristed me out of the lab because I was "posing a threat." This is so for from the truth. I was sent to the principal, who becked at my confiscated taste and, to my surprise, said, "Did you confiscated taste and, to my surprise, said, "Did you read that article about Kevan?" We talked for a while about the injurities and I was sent back to class. It relieves ms to know that not every subsoil efficial is a dick.

#### 386

Someone managed to reach that person and wake him up. We must all my to do the same myth others so that was duy this most? seem so smeasur.

#### Dear 2660:

I write to you from my desk in 158 (In School

Sespensive) for not wearing my ID hedge. We see have to wear these IDs and it you do not wear them, you have to pay \$5.50 and spend a day in ISS. I was sitting here reading cool of AliCo's letter on the tags, and I also read P2129's letter. And I get an idea - we're go ing so print flyers for an ID dich day where we will my to get everyone to heave their IDs at home that day and every day after until they life the policy. If gues they can't put all 900 of us in ISS. I chink it will work

Tweeter

# Fast Food Facts

Thepe it does.

#### 6007 1RM

This is to all of you out there who eajoy McDonald's. I work at McDonald's and during my three murchs of fitpping betters. I have uncovered some very interesting information about their computer systems.

The managers of McDonald's have a three digit clock in number. Also it managers are their three digit clock-in number. Also it managers are their three digit clock-in number as their system to peak which is so that this digit number. For instance, Sue the imaginary manager has the clock in number of 106. She is not no bright. She uses the clock-in number twice over to make up her six digit password, like 106106, All employees have a three digit number but if you are not management their your number is a double digit represented with a 0 in freet like 1061.

In each McDonald's, there is a main server in the manager's "ortice" which controls the entire store. Every order that beeps on the servers is controlled by the system. This system cost easily be accessed from a remote boration by knowing the number of the socie. Here comes the tricky part. It has to ring five times in order for the system to pick up. Eachs solved by knowing what time they close, fast call at like three in the morning. After the store closes people stay around three more bount in clean up.) Once toomactal you are prompted for a password.

a manager password. You can get this a couple of ways. First, every Sunday night McDenald's door a types in their code ployee about the same time the uncoming menager get their munches, Just lean over and flirt with an emthey need a manager to type in the code so they can employee's clock in number. To obtain this sheet you out a long sheet of record paper contening all the playee orders food they get a half price discount and wait for an employee to go on break. When the emager's number as out a lot of McDonald's food and must do some trushing and get a little messy unless from each employee worked that week and (aha) soct sends into to the company through dial-up and it prints on have connections. The second way to get a manmanager before closing. What happens is the manager eystem dial-up. This task is completed by the large Now we are stock with the diletona of not having

#### Big Mac

### Credit Files

I work in the financial services industry and it

little to presente your privacy. as a protection against the information being reported or endsein. There is some recourse that has been built Crising, and spending records without your knowledge cass to your entire fanateial, employment, criminal, eyes. Financial instrutions nationwide have ready accan be done to protect this information from poling incorrectly or folling into the energy bands, but it does person to know. For the most part there is little that correct) than you would ever want an anonymous concern of every individual crizen, but let me tell tions. Privacy as the responsibility and should be the port contains way more information (owned and itsyour readers right now that your consumer credit retion is held by the credit bureaus and financial institu strikes one as amazing that so much private informs

pall up your info it will politely inform me that the a made up address. No social? No problem, when I one in the country with little more than their name and more. As an example, I can pull a credit report on any I haye more access to your data than you do, a lot As a part of the internal workings of this industry

> coors). What you find will shock and amuze you. these of you who are enrious, careful, and adept to that needs to be hacked and understood. I encourage is board begely on arbitrary formulas. This is a system essary for most of us and also extremely valuable but Experien, CBI, Trans Union, and Equifas have the start snooping (and believe me, there are a lot of back and a plethora of other biblios. Credit is extremely ago. plea where and at what rate you spend your mency are manied, where you have applied for credit, and much you use it, whether or not you have been or still have on your earth, who your coll carrier is and how how much you make, how much available credit you goods on you right now. They know where you work for free) is not even class to as complete as what I see you can regreat from them (it is your right to get one and that the correct one is XXX-XX-XXXXXX By the law from giving the customer a cupy, and the cupy way, when I pull up a credit report I am prohibited by social security number I have entered was inserted

LOAN RAIGER Colorado

www.eff.org/support/joineff.html. the web page at 94103 USA. You can also donate through Street, Suite 725, San Francisco, CA the EFF DVD legal fund at 1550 Bryant ence. Send a check or money order to can. Every person can make a differas many others to do the same as you decision is donate generously to the we pursue the appeal of the DeCSS Electronic Freedom Foundation and get The best thing you can do to help us as

by CSS

The decryption of data on a DVD encoded through the CSS algorithm can be broken down ascrypted DVD disk sectors. lide key, and the third is the decryption of the the disk key, the second is the decryption of the into three steps. The first is the decryption of

dition) to produce the decrypted output. the simulation of a 17-bit Linear Feedback Shift along with any carry bits from the previous acwhose outputs are summed eight bits at a time Register (LFSR) and a 25 bit LFSR, both of Each decryption step in software requires

byte vectors. requently determined through lookups into On the other hand, the 25 bit LESR's output is puted through cascaded right shifts and XORs the machine word where the feedback is com-(7 bit LISR is often implemented using a sintwo LFSRs can be simulated in software. The There are any number of ways in which the

Oxbf, Oxbe, Oxbd, Oxbe, Oxbb, Oxbe, Oxb9 0xb7, 0xb4, 0xb5, 0xb2, 0xb3, 0xb0, 0xb1 0x8b, 0x8a, 0x8d, 0x8c, 0x8f, 0x8c, 0xb6 0x83, 0x84, 0x85, 0x86, 0x87, 0x89, 0x88 0x9E, 0x9c, 0x9d, 0x9c, 0x80, 0x81, 0x82 0x97, 0x94, 0x95, 0x96, 0x9x, 0x99, 0x98 0x70, 0x71, 0x92, 0x93, 0x90, 0x91, 0x96 0x71, 0x7e, 0x7d, 0x7e, 0x7h, 0x7a, 0x79, 0265, 0266, 0267, 0260, 0261, 0262, 0263 Oa6f, Ox6c, Oa69, Ox68, Ox65, Ox6a, Ox64 0x51, 0x56, 0x57, 0x54, 0x55, 0x6d, 0x6c 0x45, 0x46, 0x47, 0x5h, 0x5a, 0x59, 0x58 034, 0x4x, 0x40, 0x41, 0x42, 0x43, 0x44 0x38, 0x49, 0x48, 0x4b, 0x4a, 0x4d, 0x4c 0x17, 0x14, 0x15, 0x15, 0x1a, 0x19, 0x18. (0x00, 0x09, 0x08, 0x08, 0x0a, 0x0x, 0x0x, 0x0x, 0x0x, 0x12, 0x13, 0x10, 0x11, 0x16, Oxid, Oxde, Oxdd, Oxdc, Oxd2, Oxd3, Oxd0 Oxa8, Oxab, Oxaa, Oxdb, Oxda, Oxd9, Oxd8 0xa2, 0xa3, 0xad, 0xac, 0xaf, 0xae, 0xa9, 0xb8, 0xa4, 0xa5, 0xa6, 0xa7, 0xa0, 0xa1 0x78, 0x76, 0x77, 0x74, 0x75, 0x72, 0x73 ODST, OXSM, OXSM, OXSM, OXSM, OXSM, OXSM, 0x36, 0x36, 0x3d, 0x3c, 0x3b, 0x3a, 0x39, 0x37, 0x34, 0x35, 0x32, 0x33, 0x30, 0x31. 0x24, 0x26, 0x29, 0x28, 0x26, 0x2a, 0x36, 0x27, 0x20, 0x21, 0x22, 0x23, 0x24, 0x2x 0x1f, 0x1e, 0x1d, 0x1e, 0x24, 0x25, 0x26, lookup table are: 9x00, 0x01, 0x02, 0x93, 0x94, 0x95, 0x96 The contents of the low bits in one such

> uses, user, user, user, user, and user. 0xef, 0xee, 0xe9, 0xe8, 0xeb, 0xea, 0xe4, 0xe5 0xf4, 0xf5, 0xf2, 0xf5, 0xf0, 0xf1, 0xed, 0xec, Oxfd, Oxfo, Oxfb, Oxfa, Oxf9, Oxf8, Oxf6, Oxf7, Oxe2, Oxe3, Oxe4, Oxe5, Oxe6, Oxe7, Oxff, Oxfe, Directs, Oriest, Oriest, Oriese, Oxee, Oxee), Oxee I,

32 times are composed of the following values repeated The consents of the high bits lockup table

Osdb, and Ostf. 0xff, 0x00, 0x24, 0x49, 0x6d, 0x92, 0x66, 0x00, 0x24, 0x49, 0x5d, 0x92, 0x56, 0x65

bit LFSR output by using the least significant the above tables, and using the XOR of these 16 hits of the LFSR as two eight hit offsets into Using this exected, one determines the 25

required, simply XOR the 17 bit LFSR with the inversion mask before summing with the 25 bit bits from a previous addition. If an inversion is bits of output from both LFSRs plus any carry The plain text is obtained by summing eight

avoid nell cycling. A table lookup with the for this round of encryption. the LESS. A bit inversion of the output is peris with the next 24 bits (specifically, bits 16 to to I to avoid not leveling. Seed the 25 bit LFSR the first 16 bits of a player key and set the MSB disk key hash stored on disk. In order to start crypted disk key we must attempt to decrypt the formed with a four state inverter in position 1 LFSR state is used to obtain the next state of LSBs are shifted up a bit. Bit 4 is set to 1 to of the player key. All bits except the three lated shift registers. Seed the 17 bit LFSR with decrypting keys we must first set up our semuhashes to the same 40 bit vidue as the decrypted keys. The search ends once a decrypted key disk key with each of the machine's player set of player keys. To determine the correct de-Each player is preprogrammed with a small

aforementioned process with the inverter in and easily decrypt the data blocks using the ters we can now read each sector off the disk Using the title key as input to the shift regiscryption is performed with the inverter in State disk. The final bit inversion in this round of dedecryption of the encrypted sections of the DVD crypt the title key. The title key is used for the disk key, we will now use the disk key to de-Using the same process that decrypted the

hd1, 0xd6, 0xd7, 0xd4, 0xd5, 0x/9, 0x/8

a taptop in your car. computer, it's a little more that just sticking started on the path to an affordable car play MP3's, hack, or as a really complex a small unit that would run off the car for su red box. This article is intended to get you computer in your car. You could use it to per, super cheap. It would be neat to have a there. So I set out to discover how to create car without at least a bare bone unit in would be impossible to go anywhere in my spend so much time by my computer that it So I'll be driving soon, I realized that I

simply speculation some of this is by any means, and (what do you think hardware hacker self. I'm not a info on the unit itthese as well as few solutions for display and power covious problems there are the two enthusiasi knows hope to cover a As any electronics

how far we can stretch our funds. much cash! So let's just take a look and see bucks! You could buy another car for that article, I saw price tags reach up to 5000 I'm made of - money?). In research for this

### The Unit Itself

puter case and just put it by the passenger seat or in the trunk space to burn, you can use a desidop comcover the actual computer. If you have Before we start on the hard stuff, let's

pick the specs. If you want lots of ram, fine. don't really care. The unit I am creating is If you choose a desktop computer, you



super small, I suggest looking at the wearhave a fille more cash and want semething vibrations it gets from driving around. If you a high risk of hard drive failure with all the you even ward MP3's). Just be sure not to RCA to Mini jack to plug into your amp (if to have a large hard drive and a good with spare parts and a decent sound card. If a 233 mhz, 32 megs of ram crapper I made keep the unit in your trunk. There is stready put your subsinext to your computer if you you. Just go to Redio Shack and buy an sound card. I'll leave the speaker setup to you want MP3 capabilities it's a good idea

abic computer comcompromise size wearable computmunity. They have for options with here. You have to can be an issue fanny pack, Sound done some amazyou can carry in a and there are ing things at MIT, Linux boxes that

The operating

it. Also, it's a good idea to stick in a networking card to transport MP3's and other Plus you can make a gool looking shell for system is up to you. I think Linux would be best - it's not as power hungry as Windows

### The Display

as basic as possible - don't want anyone to that is simple to install. We want to keep it on a 'mobile phreak unit.' This guy actually have. The best idea is a small LCD screen done it, but you have to work with what you put a whole monitor in his card I don't con-In research for this article I read a paper

clectrocute themselves.

is not a good display choice for DVDs. That ers, but still cheaper that any commercial good a screen will cost about 200 smackmotherboard with at least one ISA slot. This and want this display type, be sure to buy a you're good to go. The only problem is that 5 7/8 x 10 3/8 9/8 in monochrome display. people, but if you are starting from scratch card is ISA, not PCI. This is okay for most Just plug the card into the motherboard and with most every OS and a 840x480 capable cheap is electronic surplus stores. I really needs, 89 bucks for an ISA card that works kits. This is by far the best splution for our liked http://www.allefec.com/VGALCD.html The best place to get LCD screens

of your car with a small LED display. under your seat or in the radio compartment super small MP3 playor that will fit either If you are a good EE you can design a

#### The Power

switch would work fine. to his site for more info. If you smake and want to keep the unit in the trunk, I think a loop laciator so he didn't get any hum. Go grounded the power by means of a ground puter crashes he can reboot it. He also instead of the battery because if his combelow). He plugs it into the cigarette tighter this idea from Riskable's car computer (see power inverter in the unit I'm making. I got ing a Statpower PortaWattz 300 DC to AC guidance in these desperate times. Fam us squat. I turned to the internet for help and hacker and when it comes to power, I know Like I said before, I am no hardware

### The Interface

wires if you keep the unit in the trunk. entirely up to you. Be sure to have long board or modify a laptop keyboard. This is pad mouse. You could try to find a mini key go this route, I suggest getting a cheap mouse are the cheapest ways to go. If you wireless keyboard and a wireless or touch This one is simple. A keyboard and

#### Conclusion

car computer, Let's give it a name: The fundred bucks to spare, I suggest making if you have an old computer and a few

> Now let's get ready for some Hard-Drive-Econoline Carcomp 6000, Yeah, that's cool

## A 233 mhz computer with 32 megs of ram, Components

10 gig HD case: free (spare parts)

A 640x460 capable 5 7/8 x 10 3/8 9,6 in monochrome display with controller card: A StatPower Portawattz 300 watt Power Inverter: \$50

adapt a computer to a car. It cost me 189 bucks to Total: \$169

A Ground loop isolator: \$10

Fouch pad mouse: \$20

Resources

## Computer itself

computer. m/HackMan0.4.html - Hackman wearable http://rehml.www.media.mit.edu/people/rch comp without a screen. Always an option. Some guy called Riskable who made a car http://riskable.youknowwhat.com/car.html .

Really neat stuff. jects/wearables/ - MIT wearable computers. http://wearables.www.media.mit.edu/pro-

ers/ - wearable computer links at Yahoo. netMobile\_Computing/Wearable\_Computhttp://dicyahoo.com/Computers\_and\_Inter-Asids<sub>K</sub>O

display options http://www.afelec.com/VGALCD.html -Best

sons of surplus electronics. http://www.eio.com - A great source for all

sions.html - Go here to see what the mainhttp://www.igadget.com/igadget/carteley/stream prices are (very high).

ers/statpower/PW/300.htm http://globe-mart.com/electron/power/nvert-Get the inverter for 50 bucks



# Marketplac

gress@oocks. More details will be posted at Berfay Germany Feel free to mail any suggestions for workshops, loctures, speakers, or other things to rope-CHAOS COMMUNICATIONS CONGRESS 2000 will take place December 27-29 at Hous am Kalinisation Pork In area, 1 international Phone Needs 40, TN 37217-2001, No ventoir 3-5, 2000. More into at http://www.phreateria.org. PHREAKNIC is Nashwallow FREE arrupt hocker con. it and other maybern of the Days Irin - Althorn Opty and will be a weekend of healing, panel discussions, partying de/events/congress/2000

http://www.har2001.org. or to get involved in the organization, visit DCC 'ss. The exist will focus on computer security, prisource affecting society as a whole. For more information eagy officer rights, biotestimology, and other controvers to networking event in the tradition of HEU 93, HIP 97, and the Netherlands. HAL 2001 will be a three day, open air take place on August 10, 11, and 12, 2001 in Brischede, RAL 2001 (Hackers At Large) is an example acreduted to

order for \$3 to CyborCrime Dignet, \$307 N. Scorum Loop obtain an introductory copy by making a check or money ing philosophies concerning the lopids on hand. Subscrip-tion ratio is \$20 per year for ski issues. 2600 reactors can outfly, and cycle legislation. This is a non-leganital, Rd #106, Lakeland, FL 30009. juster user. We hope to include addorsal content from the non-plokey publication ground lowers the average comsugged the prilication instacting privacy, internet house, so "hacker's purspective" to make our readers ewere of vary-CYBERCRIME DIGEST. New publication focuses on as-

ders lot 700 Falm Dr. A107, Grandale, CA 91200, Notic at static) \$20 for plans and \$30 for the device. Sand at ovphone and his tip button and ill pides up the cut with little device) \$10, cell phone passip device (just aim at the poten viruses) \$10, Mate Money Rest (250 ways to make money on the internet) \$5, Priorie 8 of (no plans, the rest dity Cookbook 2000 520, Vinus 2000 (351 HACKERS WORLD, 660 NB of leading files \$15, Apply pages of com-

with lots of eaths data and plans terribles changers. customers. New accepting VisatAC from US, outcomers. COMPLETE TEL BACK ISSUE SET (Covoted entirely to back issue set (full-stand copies) \$40 ppd, Peta Hues, PO Subjects CD-ROM (300 mb of hacking ther) \$12 ppd. Tale Phone phreating) \$10 ppd; CD-RCM POF/GF version Box 702, Kent, OH 44240-0018. soliantises, bno base, bugging etc. \$14 apd. Forbidden here. We ship interestionally, and will only set to quarted competition's prices on anything! No "spy store" hyper days, in addition to boday warranders, and will begin to Opening of the world INDONE TO SEE AND THE SECOND TO SECOND THE SECOND TO SECOND THE SEC pittididetes, FFL transfers in PA; pittols, shoques, miss sisking and auto entry trees, confidential back publica-tions. O'thread actus on rifles, and an exerting time of HTTP://www.PAOLOS.COM, since 1996. We after look-

straps. For complete information and purchase, go to Mod; neaswers or black leather pouches with safety that is bearingly a shoulder hateter that practice you to mooneton www.pdp. appliances flows traide of very flooties, yet protective conferiously easy from two to four personal THE E-HOLSTER is a durable, high technology product

> list hope for privacy. From Curved space, the unofficial Where will the modification of Chipography may be our World are turning tanacent people into crypta outlays. CRYPTO OUTLAW Y-SMRTS, Governments around the

mp8 od, cdr, and dad disks. Our be mounted in car, flame, or when inside a free drive bey of a PC. It can be truck mounted in a car or placed under the dust. The unit is self PLAY MP38 IN YOUR CAR OR HONE: Mp) do unit plays band of attentho-capitalism. Gat yours at CHARLESCONDING CONTRACTOR

http://www.mp8carphyse.com/2600 or e-mail mole. For more information, state contained, pre-expendiced, and it includes a Wholese re-

differential manage 2000 sale will go to the Kevin Mitrick fund. We will stip 2000@mp3cambayer.com. Sign up for our affiliate program salativem come cash. Repetitive needed, \$25 from every

00009 always you're not supposed to gat send \$2 to PO Box Ref For a crey of Inflitation, the zine about going other turnets, abandaned buildings, subway turness, and the REAL WORLD HACKING: Intersected in realizes, steam Town Cartry PO, Picketing, ONT Lity (PT.

\$12 in the U.S. Hobby Broadcasting, PO Box 642, Mont or 56 international). A subscription (4 question) issues) is and much more. For a sample, send \$8 U.S. (\$4 Canada erent, station operation and programming, enforcement and the internet. Hundludes how-to stricted about equipera of richard casing of all types: AM, FM, shortwave, TV. HACK THE RADIO: Hobby Broadcasting magazine cow

THE BEST HACKERS INFORMATION ARCHIVE on ODcenter for information and articles about oursent computing happenings worldwide. You can Ind all this, and many, on edolition, we have asteined feeds for our own private news people to talk about a wide correty of hooking garmer. In soons walve put together a publicly econocide sho for INFORMATION IS POWER! After years of being in the

478 Goryouse Unit 609, 186-911 Yawa St., Victoria, BC Canada VeV back baues 1-911 Every HTML froe faces and CIOS browser First out how, why, who ne, and who hooses; do 1 to since how they get away with at includes complete STPUTAP. US \$15 instuding postage workwide. Withhird Software, ots of NEW 1985 and 1999 Information. A haddon's cheant 10000 enCydopedia 196 - 12,271 files, 650 mogabytos of infor-ROM has just been updated and expended. The Hackers programs, abandands, vituses, sounds, pictures,

### Help Wanted

NEED HELP WITH CREDIT REPORT, Lucrative rain-Foot Date States of the cles. RA, PO Box 1611, Julian, CA 92038-1811 or HELP WITH CREDIT REPAIR, ALL 3 proofs reporting again-CREDIT REPORT HELP and checksystems. Absolute confident sinews@co.com

PO Box 5189, MarcReft, OH 44901, tox 419-756-9008 or buttement for services. Help clean up mess. Preses reply

psy recongbio fee for each match. Call (718) 281-7888 addresses to known telephone numbers. Existing to verse inserch programs have not been neight. Willing to LOCKING FOR ASSISTANCE in matching rather and

support for his notesser, but has no one to post his work on relaped his own primitive web pages to faster political POLITICAL PRISONER has non-profit organization, de-

> Campaign, P.O. Box 57142, Dos Mohas, Isaa 50317. may context Barb LeMar, Dreedor, Sean Swain. need making tets of reasonable roots. Anyone interested the Internet, Needs someone to post it, straintein web money to pay for the late (www.SwienCemency.org). Also pages hipdating), and maybe improve the cosmetics. Has Clemency

NEED HELP ON CREDIT REPORT, ox wife serviced me lon, TX 77069, 1Websel Philase reply to 4441, 5128 W.F.M. 1960, PMB/2713, House

contact me at C. Chae, FO Box 376, Middle Vitage, NY accessing telephone information, Generous pay, Please IAM INTERESTED IN HIRING SOMEONE familiar with

B. Mandel, 433 Kingston Ava., P.O. Box 69, Brooklyn, NEED HELP WITH CREDIT REPORT, Please respond to

bright, will mail out capies of all incoming/outgoing to an outside recipient without the target being aware of it. Can grants? bryno5@course which, after kinstalls itself in the CNOCbased ISP of the anyone help with complete information, details, and prosonder. Also, there is another Trajun Horse program thereage with passwort(s) will not bounce back to the Rooks any preservoir used by the recipient and then sensitibly e-mail to an outside recipient. Purplet, that if the outside recipient. side recipient documit receive it for any resource the e-mail noduous when wiewed or read) but which will execute and added as an attachment to an e-mail (which appears in-Stand there is a Trojon Horse program which may be HELP TO FIND TROUGH HORSE PROGRAM, Under-

#### Wanted

Brazil, and requesting to have Azamey SCHES NOSR and MACHADO stripped of their two foerses, will foreigness and 9 trailions also be altered by adde in Share. For for www.bescalboycott.org additional information and review of court documents, go stonal Conduct Committee of the State of Rio de Janeiro legal systems. Only by contecting the Lawyer's Professional Systems. Applien that is to be found in the Brazilian and American needed hand will help expose some of the rampont consteading records. Many have been possed within my web site, and the person(s) interested in leviding me a much Called Lawyer, Investable professor, another the students.).
The above-mentioned claims are easily verifiable through to obtain help from an intelligent, resourceful, and dediprison with liftle hope of finding basedom unless them able ished law(x). I find myself incorporated in an American their incompension and maligious disregard for estab and NELFO ROBERTO SICIOL MACHADO, Because of Branton lawyers CARLOS ROBERTO SCHLESPACER are substantiated by documented facts. I sm an America-BRAZIL and ARGENTINA to help pursue visitous issues of WORGBurg committed by members of the Brazilian Bar offiziers, wrongfully theated by well-poid Ric de Janeiro duct. While to act competently, and obstruction of justice and possibly the Argentine Bar. At doing of contrious con-LEGAL PROFESSIONAL(S) and/or law students from

nemovadoress of avanufacturen(s) (and prices if available) and transmits at least 300 less to an 514 radio. Need the MINIATURE PENMICROPHONE that is very screative

it when e-mailing are at managed 6(3) hotmatization or any inagestrachewsletter and the price that you would want for Zinddewodetter i suggest you provide the condition of the information regarding the original TAP phreeking maga-I'M LOOKING FOR THE ORIGINAL/OFFICIAL TAP 18693228. I want the CRIGHAL copies only MAGAZINENEWSLETTER.Confact the if you have any

(Next Hit ID 4001, ID-1890, ID-1890, and ID-2090, Advised WANTED: Heather, ID-4001 digital weather computer in working condition. Also warried interoprocessors for

> beath stigusance What you have, price, and condition, 6-mail:

#### Services

computer and legal background. Initial phone conference (334) 285-86(2) or stall at www.dmorrow.com; Extonsive and Certified Information System Security Professional, at federal eauth Contact Dersey Momey, Attorney of Law CHARGED WITH A CONFUTER CRINE in any state or

are spicity confidential and protected by the attorney-client specializes in histoer, gradies, and principle defends. Con-last Cray Figueros, Esq., at (200) 986-6661 or (415) 985personal consultation for 2600 readers. All consultations 5091, at onling sturned stanford one, or at Pier 5 North. So werrior committed to the Obertston of Information who The Embergadoro, Son Francisco, CA 94111-2030. Free THE SAN FRANCISCO BAY AREA? You need a settian SUSPECTED OR ACCUSED OF A GYBERCRIME IN

## Announcements

and DVD availability possible showings in your eres so well as dotals on VHS valv. Keep of ocking www.trsedomdowittme.com.tor. documentary playing at hadran contengaces and thin figs-FREEDOM DOWNTME is the new feature-length 2000

from why web page. http://www.doper.com/addopy/3dick.html. Collect donadons see if GSBQ's only harder-operated transaction service MOVE MONEY ANONYMOUSLY or notymously as you

back is welcome at on gazano, com. show prevented Tuesday nights at 0,000 pm ET on WBaq 89 5 FM in New York City, You can also tune in over the ing back to 1850 can be found at the 2600 etc. Your feed and South America at 2415 kinz. Archives of all ahows dob NCI sil www.7800.com/offthuhouk or on shortwave in North OFF THE HOOK is the weekly one hour teacher radio

#### Personal

independ people contact me at T. EDVARD JONES, No. the basics and fundamentals of heating during this period before I am reheased and I want to familiar as myself with the fleros prison system and there approximately 2 years of correspondence, i am presently being held captive by an-one leccons in areas necessary to be a hadwrity way be a computer gook looking for someone to give me onecheckly through the main time Burns, \$43720-565, Unit 5 TAM A FAIRLY INTELLIGENT PERSON with potential to IMPRISONED HACKER welcomes communication from 507-1510, PO Box 6000, Sharatan, CR 87978 6000 Насел web page, can be reached at cyllion <u>@2500.com or</u> The outside world. Zykian, accused of hacking the White

\$10071, HC 67, Sox 155, Kanley, Texas 78(19, U.S.A.

for Witter (2016) 11/15/20 or a photocopy so we know you're a subcorber. Sand your ad to 2600 Marketpears. PO Box 90, Middle stand, NY 1106% include your address label or photocopy. Deading you most readom! If each fine, include your address labo to do with the heigher world. All submeasons are for CNE and not print it if it's amountly stupid or has nothing at all course, we receive the right to pass Judgment on your ad-ISSUE ONLY! If you wind to run your ad more from once accept for a non-autocritier act. We hope that a clear, Or All advices tree and there is no amount of money we wit ONLY SUBSCRIBERS CAN ADVERTIGE IN 2600' Don't even bother bying at take out on ad unless you subscribe

2600 Magazine

Middent will Adverse (1900) Proping Charte of the Swinder Street of the public phone. Perfectly Colorina (NS Aura) Sydneys The Cycled Related for the A STANDARD COMMAND O'CORTAL SHEET, Care. NUMBER OF

Contac Res Clab Kight Clab

Magazine Widows (Jr. 1808) Calping Dy Clark Harter box ourt できる できる かんし

payahorou. 4 per la 8 priu Resources Rooff : Compa Good Calls well and the state of the state of

Months of Fed Amphiltoning 1000

Intable Sed to the aways and pay psychoese opported the Turns' 東西 医多种 智能 明日 特色的 を変えるとないのは、 0400848

Balt In the Did Coy Man put, op-ports The List worthy of Halt, 7 pm. Feed the City of the continue of

of Ordered St. read, St. St. Polices Mindrester Officia Viscose Oille

The Boat of the Party of

SHE HO AL

New Dalling Project Committee Complete NAME OF STREET PARTY OF STREET,

Marc Parts Lewis to from all the

The St of Farming of the SECT

The second secon

BUT STREET, SALE

Several Marc To the Services

Carpe Towns #1 the "Province got the Surger Cornel Saffer, payors phares and to Rudgers 1, 3 per TOWN MADE

SUPPLIES AND AND ADDRESS OF THE PARTY.

ON 1005

The last of the la 化多种 医多种性性 化甲基苯甲基 医甲基

BOOK STORY SONE Segment Control of the pupilionis M paghou rate to

Paragraphies & Subject School E. Phase by Peac Plan Plans at Mate

December With the Bud out CHARLES

Statement's Rained Date Plant, Special 1215) 20.5 2.18 (212) 10.000ph Las Angeles Union Serbot, Corner of Nary & Albraria, Jurida et al. 180

Regard New York Switzen's Netto See Franchists & Chicardian's Nation MA NO NEWS

Bridgeport Grade Mr. Pring 1741

Afternoon fortages City Fall. 19 Patrict of Codeling

Pur Agent, in the population is PL Caudio Side Book of Kill in the

1730 M2 Orlando: Nathon Sciam McCam Sic Mary of the Party of the Party 化多元 经收益 医阴道性 医乳管 の 大きの できのか

Attention to the Pull Food court. Monada and Mark Stee Steep Carlo to-

2041, 2023, 5385

Ton York

Chicago: Scherg, 2717 Forth Date 197, 00-034232 の事事 あかた 政を

CONTRACTOR STATE OF THE PARTY O

Stargert Superfields in Coffe BUILDS OF AND A STREET BENESON CONTRACTOR Same City Do KARd bad out Datast With to Saint, Set Saint Saint Pr. Magnet Start brook National

100 Major and the company of the company かんぎょうしん ひんばん かんかん Bother Rouge: To the USB Union \$45,8727,8733

Children out the Patholic Colonial State of the Colonial PERSONAL PROPERTY.

bearing of the bad served Perfore Production Contine Place. THE WAY OF THE

200000

An Affac Metron Live (Urb. Statistics. (\$1.7) 2.96 -0.02, 90.01, 90.01, 90.001, Michigan

のでの日本のはの日の一の一人を入ってい each risk had count, soon for

Debath firms & New by Care 1

tent en. 3 In thins. Ediglish bris likebor lib Entirest dealed action for 900, 63 E

Black Streets Not box on t The se of the cold at \$2000 Court Book and the same

日本の日のないからのは ちゃっこの 丁 20000

Total Carlo Man, Maria のできる かんかい あずる Lie Wegon War Squard an Olfe. AND AND AND

court, must purplicate and the level level between the foundation Sign-Allegarine While Will Ex Regard Apple See Getter No. of Each See of the Extend Date. NAME OF のは、ないのでは、

Confession and Research and State of Research and Researc New York: Discompliance of the Wilde of a Linguistic Street, Street, Williams and Street, Street, Williams and St Buffalo: School Ad. Bod mark. Solidar Millex

Personal of Busines A Barber, and Decorpt Constant Company Systems Store depart before a social building to another perfect and for the social perfect and for the social soc (大学のできょう)(のないない) Manual Andrews of the Part of Street,

おおり かられる 一年間 一日に かられ Mar (408) 342-9081, 5636, 5531, Charles and Chigo Ships of Mall at the 00 K W 10 W

22 Sept. Sell. 517, 318, 318. Baddy at 12th & Name ander the Performed The same THE WOLLD'S P.

State Patter Supervised, by Bushes South Debota

Section of Percent and Area & Colleges Region Res Source Control Cold, Total を見るないである。 ある Exporter Series Soda City syrta

Bade Other Balling Cost. feffere Autori Press, Suspiced S.

Paretters fellows 5 took count, un-Countries and or of the countries of the R. Aud't libit De Ail Red

Said Labor Objection Made in the

Search that care Surfagions South Sides of Sold Complete to the school Seattle Seattle

Selle by a selle 2000年の大学の大学の大学 Fadiox Live Sept (227 K. Str. からから 大大丁中屋の日本人 PARK SON SEED KINE April A

to) (to, to a full in the talk to

A product partial place production to be file count beautiful pro-cessing a per to a count for count to count product for count and otherwise product for partial product for partial place as and a file count of the file beautiful product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product or direct to the period of the most partial product to the period of the most partial product to the period of period of the period of the period of the period of the period of period period



Court and, if necessary, all the way to the Supreme Court! We need The MPAA may have won their lawsuit against 2600 but the bigger battle is only just beginning. We're taking this fight to the Appellate your support now more than ever.

You can help spread the word by sporting our stylish anti-MPAA t-shirt. The front looks a lot like the cover to our Spring 2000 issue while the back has the above scary caricature of MPAA chief Jack Valenti.

port and help send a message that this affront to all of our rights won't be tolerated. fund. In addition, we have "Stop the MPAA" bumper stickers (10 for \$10) and "Stop the MPAA" buttons (3 for \$10). Please show your sup-The shirts are \$25 each, the proceeds of which go to the defense

line store at www.2600.com or by writing to us at: You can order all of these items plus our regular stuff through our on

Middle Island, NY 11953 PO Box 752